


<b>MSDS Fluorescently labeled recombinant proteins</b> according to Regulation (EC) No. 1907/2006		
Revision 3	Erstellt/Geändert (Name / Datum) Götzke / 23.06.2023	

## MSDS Fluorescently labeled recombinant proteins according to regulation (EC) No. 1907/2006

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### SECTION 1: Identification of the mixture and of the company

#### 1.1 Product identifiers

Product group name: Fluorescently labeled recombinant proteins

Product Numbers: *Nxx01 Nxx02, Nxx04*

Substance: purified, recombinant proteins containing **phosphate buffered saline** and **serum albumin**

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Analytical uses

#### 1.3 Details of the supplier of the safety data sheet

Company: NanoTag Biotechnologies GmbH  
Rudolf-Wissell-Str. 28a  
37079 Göttingen  
Germany  
Tel: +49 551 50556365

#### 1.4 Emergency telephone

CHEMTREC®: 1-800-424-9300

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

#### 2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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### SECTION 3: Composition/information on ingredients

#### 3.1 Mixtures

Phosphate buffered saline

Synonyms: PBS

Albumins, blood serum

Synonyms: BSA

No components need to be disclosed according to the applicable regulations.

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## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

**If inhaled:**

After inhalation: fresh air.

**In case of skin contact:**

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower.

**In case of eye contact:**

After eye contact: rinse out with plenty of water. Remove contact lenses.

**If swallowed:**

After swallowing: make victim drink water (two glasses at most). Do not induce vomiting. Consult doctor if feeling unwell.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media**

Do not use full water jet

### 5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

### 5.4 Further information

No data available

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas. For personal protection see section 8.

### 6.2 Environmental precautions

No special environmental precautions required.

### 6.3 Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage conditions

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

#### Storage stability

Recommended storage temperature	Before reconstitution: 2° - 8 °C
	After reconstitution: -20°C (stable for 6 months)

#### Storage class

Storage class (TRGS 510)	Before reconstitution: 13 - Non combustible solids
	After reconstitution: 12 - Non combustible liquids

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

### 8.2 Exposure controls

#### Personal protective equipment



#### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards as for example EN 166(EU).

#### Skin protection

Handle with gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

#### Body Protection

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

Respiratory protection not required under normal conditions. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges.

#### **Control of environmental exposure**

No special environmental precautions required.

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## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

a) Physical state	Solid
b) Color	Depending on fluorophore
c) Odor	Odor-less
d) Melting / freezing point	No data available
e) Boiling point and boiling range	No data available
f) Flammability (solid, gas)	No data available
g) Flammability or explosive limits	No data available
h) Flash point	No data available
i) Autoignition temperature	No data available
j) Decomposition temperature	No data available
k) pH	7,2 at 25 °C
l) Viscosity	No data available
m) Water solubility	Completely water soluble
n) Vapor pressure	No data available

- |                             |                              |
|-----------------------------|------------------------------|
| o) Density                  | No data available            |
| p) Particle characteristics | No data available            |
| q) Explosive properties     | Not classified as explosive. |
| r) Oxidizing properties     | None                         |

## 9.2 Other safety information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

In the event of fire: see section 5

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- |                                   |                   |
|-----------------------------------|-------------------|
| Acute toxicity oral / dermal:     | No data available |
| Skin corrosion/irritation:        | No data available |
| Serious eye damage / irritation:  | No data available |
| Respiratory / skin sensitization: | No data available |
| Germ cell mutagenicity:           | No data available |
| Carcinogenicity:                  | No data available |
| Reproductive toxicity:            | No data available |
| STOT - single exposure:           | No data available |
| STOT - repeated exposure:         | No data available |
| Aspiration hazard:                | No data available |

### 11.2 Additional Information

No data available

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## SECTION 12: Ecological information

### 12.1 Ecotoxicity

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

Persistence and degradability: No data available.

Bioaccumulation No data available.

Mobility No data available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

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## SECTION 14: Transport information

### 14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -


### 14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

### 14.5 Environmental hazards

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ADR/RID: no

IMDG Marine pollutant: no IATA: no

#### 14.6 Special precautions for user

##### Further information

Not classified as dangerous in the meaning of transport regulations.

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

### SECTION 16: Other information

#### Key/Legend

ADR/RID = European Agreement of Dangerous Goods by Road/Rail; CAS# = Chemical Abstract Service number; EC# = EC number (EINECS or ELINCS); EEC = European Economic Community; EU = European Union; IATA = International Air Transport Association

**MSDS revised:** 23/06/23

**Disclaimer:** The information contained in this Material Safety Datasheet is believed to be accurate but it is the responsibility of the user or supplier to determine the applicability of these data to the formulation of necessary safety precautions. NanoTag Biotechnologies shall not be held responsible for any damage resulting from the use of the above product or the information contained in this material safety datasheet.