

ALFA elution peptide

The ALFA elution peptide can be used for competitive elution of ALFA-tagged proteins from magnetic or non-magnetic ALFA Selector^{PE} and ALFA Selector^{CE} resins.

The peptide sequence is Acetyl-PSRLEELRRRLTEP-Amide.

The protocol below refers to the following product:

Cat. No.	Product Name	Lyophilized from	Reconstitution	Final conc.
N1520	ALFA elution peptide	ddH ₂ O	250 µL	40 mg/mL

The ALFA elution peptide is shipped as lyophilized powder at ambient temperature. The lyophilized reagent can be stored at 2-8°C for up to 12 months.

Protocol: Reconstitution and Storage of ALFA elution peptide

1. Prepare sterile deionized water.
If applicable, we recommend including 0.1% sodium azide as a preservative.
2. Open the vial containing the lyophilized ALFA elution peptide.
3. Add 250 µL of sterile deionized water.
4. Vortex or mix at room temperature for 5-10 min.
If the material is not completely dissolved, it may help to increase the temperature to 37°C and mix for up to 30 min.
5. Briefly spin down the vial for 2 min at 1000 *xg*.
6. Distribute into aliquots. Use small tubes and avoid aliquots below 20 µL.
7. Storage after reconstitution:
 - Aliquots may be stored at -20°C or below.

Notes:

- Before usage for competitive elution from ALFA Selector resins, the concentrated peptide solution obtained after reconstitution (40 mg/mL corresponding to 20 mM peptide) has to be diluted in a buffered solution. Depending on the specific application, the final peptide concentration may vary from 200-1000 µM.

Only for research applications, not for diagnostic or therapeutic use!