

# Reconstitution and storage protocol



PEPROTECH  
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by Thermo Fisher Scientific

Recombinant Protein Portfolio

**Important:** Download the Certificate of Analysis (CoA) from [thermofisher.com](https://thermofisher.com) or [peprotech.com](https://peprotech.com) product page to obtain the necessary information for reconstitution before beginning this process. Failure to do so will result in incorrect concentration or possible damage to the product.



## Centrifugation

About 13,000 rpm for 30–60 seconds.



## Reconstitution

- Dissolve lyophilized protein using the appropriate solvent and concentration according to the lot-specific CoA.
- Mix carefully by gently pipetting up and down, or put the vial cap back on and invert the vial gently a few times.
- Spin down the vial for a few seconds.

### Important notes:

- Do not add carrier to the initial reconstitution solution unless otherwise specified on the CoA.
- If required, keep vial at room temperature according to the CoA.
- Do not vortex.



## Storage



### Short-term storage

The reconstituted protein solution can be stored at 2–8°C for up to one week.



### Long-term storage

- Dilute to working concentration using a buffer or medium containing a carrier.\*
- Distribute to aliquots and store at –20 to –80°C (for 3–12 months, as specified on the CoA).

\* Carrier:

- 0.1% BSA
- 5% HSA
- 10% FCS
- 5% trehalose

### Important notes:

- Avoid repeated freeze-thaw cycles.
- Aliquots should not have a concentration of less than 1 µg/mL and/or a volume of less than 10 µL.

5 Cedarbrook Drive  
Cranbury, NJ 08512

Ph: 800.436.9910  
Fax: 609.497.0321

[peprotech.info@thermofisher.com](mailto:peprotech.info@thermofisher.com)  
[thermofisher.com/peprotech](https://thermofisher.com/peprotech)

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