

# Recombinant Mouse Ephrin-B3/EFNB3 Protein

Catalog No.: RP01926 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	13643	O35393

### Tags

C-hFc

### Synonyms

Ephrin-B3;Efnb3

## Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
47.88 kDa	60 kDa

### Endotoxin

< 0.01 EU/μg of the protein by LAL method

### Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

Ephrin B3 belongs to the ephrin family. Ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. Ephrin B3 is important in brain development as well as in its maintenance. It is especially important for forebrain function since its expression levels were particularly high in several forebrain subregions compared to other brain subregions. Ephrin B3 binds to, and induce the collapse of, commissural axons/growth cones in vitro.

## Basic Information

### Description

Recombinant Recombinant Mouse Ephrin-B3/EFNB3 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu28-Ala227) of Mouse Ephrin-B3/EFNB3 (Accession #NP\_031937.1) fused with hFc tag at the C-terminus.

### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Mouse EphB2 (Catalog: RP01156) at 2 μg/mL (100 μL/well) can bind Mouse Efnb3 (Catalog: RP01926) with a linear range of 0.50-58.76 ng/mL.

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

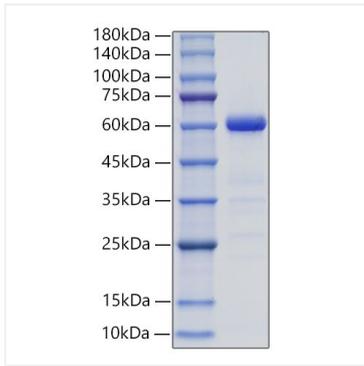
### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

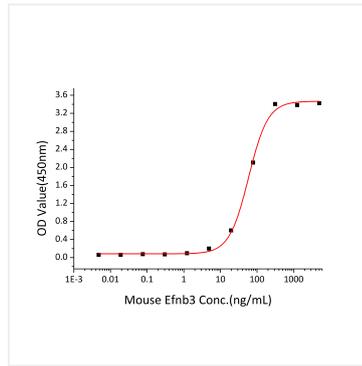


## Validation Data

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Recombinant Mouse Ephrin-B3/EFNB3  
Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Mouse EphB2(Catalog: RP01156) at 2  $\mu$ g/mL (100  $\mu$ L/well) can bind Mouse Efnb3 (Catalog: RP01926) with a linear range of 0.50-58.76 ng/mL.