

RP01926

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Recombinant Mouse Ephrin-B3/EFNB3 Protein

Catalog No.: RP01926 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	13643	O35393

Tags

C-hFc

Synonyms

Ephrin-B3;Efnb3

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.

Product Information

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

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.

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.

Operational Notes

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

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.

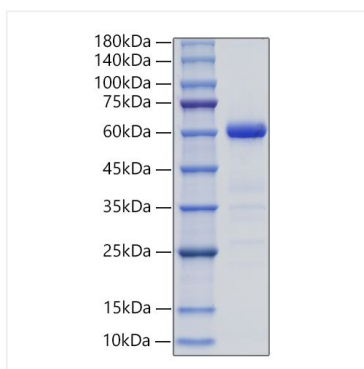
Contact



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Validation Data



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