Recombinant Mouse Ephrin-B3/EFNB3 Protein

Catalog No.: RP01926

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Sequence Information

Species
Mouse

Gene ID
13643

Swiss Prot
O35393

Tags
C-hFC

Synonyms
Ephrin-B3,Efnb3

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
47.88 kDa

Observed MW
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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

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
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

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

Contact

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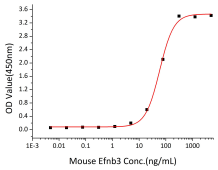
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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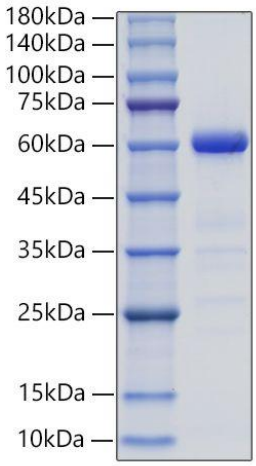

Recombinant Mouse Ephrin-B3/EFNB3 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.