

Recombinant Mouse Ephrin-B2/EFNB2 Protein

Catalog No.: RP01468

Sequence Information

Species Gene ID

Mouse 13642

Swiss Prot Tags

P52800 C-His

Synonyms

Epl5,ELF-2,Eplg5,Htk-L,Lerk5,
LERK-5,NLERK-1,EFNB2

Product Information

Source Purification

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

Calculated MW Observed MW

23.21 kDa 35-40 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL
method.

Formulation

Lyophilized from a 0.22 μm filtered
solution of PBS, pH 7.4.

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.

Background

This protein is a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, 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. This gene encodes an EFNB class ephrin which binds to the EPHB4 and EPHA3 receptors.

Basic Information

Description

Recombinant Mouse Ephrin-B2/EFNB2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg29-Ala232) of mouse Ephrin-B2/EFNB2 (Accession #NP_034241.2) fused with a 6×His tag at the C-terminus.

Activity

Measured by its binding ability in a functional ELISA. Immobilized Mouse EFNB2 at 1 μg/mL (100 μL/well) can bind Mouse EPHB2 with a linear range of 0.01-1.3 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°C

Operational Notes

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

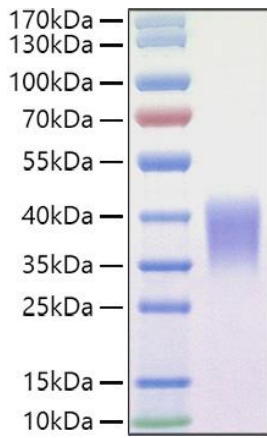
Contact

☎ | 400-999-6126

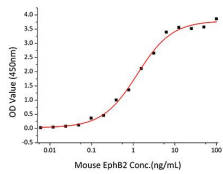
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Validation Data



Recombinant Mouse Ephrin-B2/EFNB2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Recombinant Mouse EFNB2 at 1 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Mouse EPHB2 with a linear range of 0.01-1.3 ng/mL.