Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Recombinant Mouse Ephrin-B2/EFNB2 Protein

Catalog No.: RP01468 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	13642	P52800

Tags
C-His

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

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

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

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

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.

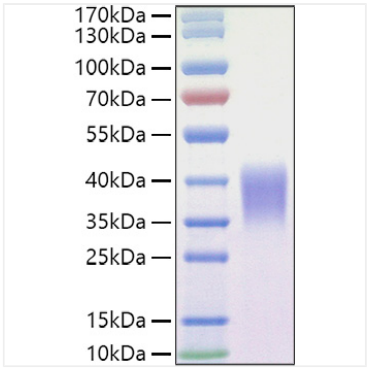
Basic Information

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.

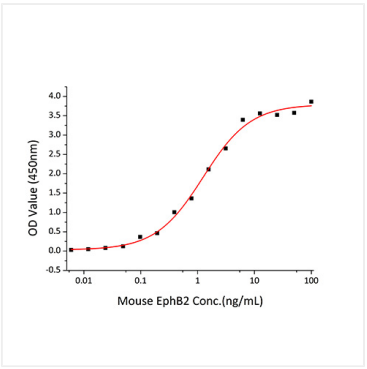
Bio-Activity
Measured by its binding ability in a functional ELISA. Immobilized Mouse EFNB2 at 1 μg/mL (100 μL/well) can bind Mouse EPHB2 with a linear range of 0.01-1.3 ng/mL.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse Ephrin-B2/EFNB2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 30-40kDa.



Immobilized Recombinant Mouse EFNB2 at 1 µg/mL (100 µL/well) can bind Mouse EPHB2 with a linear range of 0.01-1.3 ng/mL.