

Recombinant Human Ephrin-B2/EFNB2 Protein

Catalog No.: RP00091 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	1948	P52799

Tags

C-His

Synonyms

EFNB2;EPLG5;HTKL;Htk-L;LERK5;ephrin-B2; HTKL; Htk-L; LERK5

Product Information

Source	Purification
HEK293 cells	> 90% by SDS-PAGE.

Calculated MW	Observed MW
23.04 kDa	30-40 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. Contact us for customized product form or formulation.

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

 | 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 Human Ephrin-B2/EFNB2 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ile28-Ala229) of human Ephrin-B2/EFNB2 (Accession #NP_004084.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human EFNB2 at 0.5 μg/mL (100 μL/well) can bind Human EPHB4 with a linear range of 6-400 pg/mL.

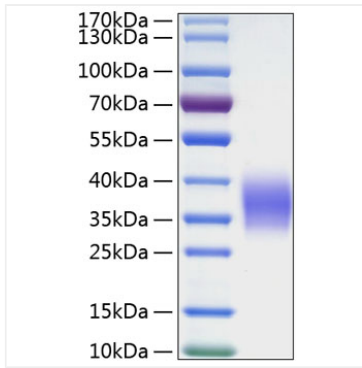
Storage

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

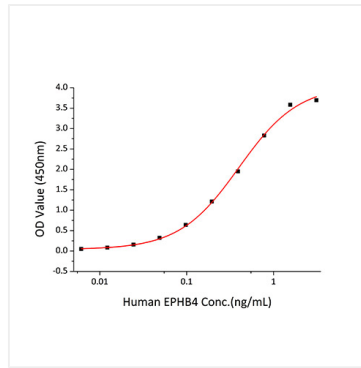
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



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



Immobilized Human EFNB2 at 0.5 μ g/mL (100 μ L/well) can bind Human EPHB4 with a linear range of 6-400pg/mL.