Recombinant Human Ephrin-B2/EFNB2 Protein

Catalog No.: RP00091

www.abclonal.com

Sequence Information

Species
Human

Gene ID
1948

Swiss Prot
P52799

Tags
C-His

Synonyms
EFNB2,EPLG5,HTKL,Htk-L,LERK5, ephrin-B2, HTKL, Htk-L, LERK5

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
23.04 kDa

Observed MW
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 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

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.

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.

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℃

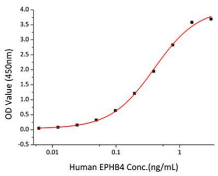
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

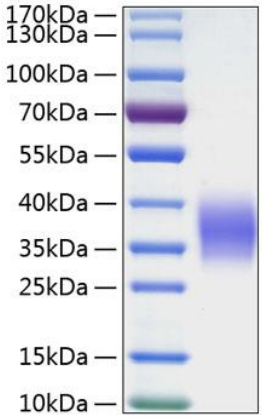
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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



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