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Datasheet for ABIN7318441
Ephrin B2 Protein (EFNB2) (His tag)

Overview

Quantity:	50 µg
Target:	Ephrin B2 (EFNB2)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Ephrin B2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Ephrin-B2/EFNB2 Protein (His Tag)(Active)
Sequence:	Ile28-Ala229
Characteristics:	Recombinant Human Ephrin-B2 is produced by our Mammalian expression system and the target gene encoding Ile28-Ala229 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human EphB2-Fc(Cat: PKSH032012) at 10µg/ml(100 µl/well) can bind Human AQZ9-His. The ED50 of Human AQZ9-His is 1.13ug/ml .

Target Details

Target:	Ephrin B2 (EFNB2)
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Target Details

Alternative Name: Ephrin-B2/EFNB2 ([EFNB2 Products](#))

Background: Ephrin-B2 is a type I transmembrane protein and belongs the Ephrin family. It binds to the receptor tyrosine kinases, such as EPHA4, EPHB4 and EPHA3. Ephrin-B2 has been implicated in mediating developmental events, especially in the nervous system, erythropoiesis and tumour metastasis. Ligation of Ephrin-B2 with complementary EphB receptors on adjacent cells results in a combination of forward (EphB receptors) and reverse (Ephrin-B2) signalling, which is central to tissue development and remodelling functions. In addition, Ephrin-B2 may play a role in constraining the orientation of longitudinally projecting axons.

Synonym: Ephrin-B2, EPH-Related Receptor Tyrosine Kinase Ligand 5, LERK-5, HTK Ligand, HTK-L, EFNB2, EPLG5, HTKL, LERK5

Molecular Weight: 23.2 kDa

UniProt: [P52799](#)

Pathways: [RTK Signaling, Regulation of Muscle Cell Differentiation](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.