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Datasheet for ABIN7318440
Ephrin B1 Protein (EFNB1) (His tag)

Overview

Quantity:	50 µg
Target:	Ephrin B1 (EFNB1)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ephrin B1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Ephrin-B1/EFNB1 Protein (His Tag)
Sequence:	Leu28-Gly232
Characteristics:	Recombinant Human Ephrin-B1 is produced by our Mammalian expression system and the target gene encoding Leu28-Gly232 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.

Target Details

Target:	Ephrin B1 (EFNB1)
Alternative Name:	Ephrin-B1/EFNB1 (EFNB1 Products)
Background:	Background: Ephrin-B1, also named EFL-3, ELK ligand, EPH-related receptor tyrosine kinase ligand 2, is a single-pass type I membrane protein. It contains 1 ephrin RBD (ephrin receptor-binding) domain and belongs to the ephrin family. Ephrins are divided into the ephrin-A (EFNA)

Target Details

class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. All ephrins share a conserved extracellular sequence, which most likely corresponds to the receptor-binding domain. Ephrin-B1 has been shown to bind EphA3, EphB1, EphB2, EphB3, and EphB4. The extracellular domains of human and mouse ephrin-B1 share 94 % amino acid identity.

Synonym: Ephrin-B1,EFL-3, ELK ligand, EPH-related receptor tyrosine kinase ligand 2,LERK-2,CFND,CFNS,EFB1,EFL3,Elk-L,EPLG2,LERK2

Molecular Weight: 23.4 kDa

UniProt: [P98172](#)

Pathways: [RTK Signaling](#)

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 7.4.

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.