Datasheet for ABIN1096582

Ephrin B2 Protein (EFNB2) (AA 28-229) (His tag)

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Overview

Quantity:	50 µg
Target:	Ephrin B2 (EFNB2)
Protein Characteristics:	AA 28-229
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ephrin B2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Ephrin-B2/EFNB2 (C-6His)
Sequence:	IVLEPIYWNS SNSKFLPGQG LVLYPQIGDK LDIICPKVDS KTVGQYEYYK VYMVDKDQAD RCTIKKENTP LLNCAKPDQD IKFTIKFQEF SPNLWGLEFQ KNKDYYIIST SNGSLEGLDN QEGGVCQTRA MKILMKVGQD ASSAGSTRNK DPTRRPELEA GTNGRSSTTS PFVKPNPGSS TDGNSAGHSG NNILGSEVAL FAVDHHHHHH
Characteristics:	Recombinant Human Ephrin-B2 produced by transfected human cells is a secreted protein with sequence (Ile28-Ala229) of Human EFNB2 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Ephrin B2 (EFNB2)
Alternative Name:	ephrin-b2 (EFNB2 Products)
Sub Type:	Fusionprotein
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. Alternative Names: Ephrin-B2, EPH-Related Receptor Tyrosine Kinase Ligand 5, LERK-5, HTK Ligand, HTK-L, EFNB2, EPLG5, HTKL, LERK5
Molecular Weight:	23.24 kDa
UniProt:	P52799
Pathways:	RTK Signaling, Regulation of Muscle Cell Differentiation

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months