



[Go to Product page](#)

Datasheet for ABIN7519952
Ephrin B1 Protein (EFNB1) (Fc Tag,His tag)

Overview

Quantity:	500 µg
Target:	Ephrin B1 (EFNB1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ephrin B1 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Recombinant Human Ephrin-B1/EFNB1 Protein
Sequence:	LAKNLEPVSWSLNPVKFLSGKGLVIYPKIGDKLDIICPRAEAGRPYEEYKLYLVRPEQAA ACSTVLDPNVLVTCNRPEQEIRFTIKFQEFSPNYMGLEFKKHHDYYITSTNNGSLEGLN REGGVCRTTRTKMIIMKVGQDPNAVTPPEQLTTSRPSKEADNTVKMATQAPGSRGSLGDSGDG KHETVNQEEKSGPGASGGSSGDPDG
Specificity:	Leu28-Gly232
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.01 EU/µg of the protein by LAL method.

Target Details

Target:	Ephrin B1 (EFNB1)
Alternative Name:	Ephrin-B1/EFNB1 (EFNB1 Products)

Target Details

Background:	<p>Description: Ephrin-B1 also known as EFNB1, is a member of the ephrin family. The transmembrane-associated ephrin ligands and their Eph family of receptor tyrosine kinases are expressed by cells of the SVZ. Eph/ephrin interactions are implicated in axon guidance, neural crest cell migration, establishment of segmental boundaries, and formation of angiogenic capillary plexi. Eph receptors and ephrins are divided into two subclasses, A and B, based on binding specificities. Ephrin subclasses are further distinguished by their mode of attachment to the plasma membrane: ephrin-A ligands bind EphA receptors and are anchored to the plasma membrane via a glycosylphosphatidylinositol (GPI) linkage, whereas ephrin-B ligands bind EphB receptors and are anchored via a transmembrane domain. An exception is the EphA4 receptor, which binds both subclasses of ephrins.</p> <p>Name: EFNB1,CFND,CFNS,EFB1,EFL3,EPLG2,Elk-L,LERK2,ephrin-B1</p>
-------------	---

Gene ID:	1947
----------	------

UniProt:	P98172
----------	------------------------

Pathways:	RTK Signaling
-----------	-------------------------------

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
---------	-------------

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.
-----------------	---

Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
---------	--

Storage:	-20 °C,-80 °C
----------	---------------

Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
------------------	---