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Datasheet for ABIN1880659

## Ephrin B1 Protein (EFNB1) (AA 28-232) (His tag)

### Overview

Quantity:	50 µg
Target:	Ephrin B1 (EFNB1)
Protein Characteristics:	AA 28-232
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 (C-6His)
Sequence:	LAKNLEPVSWSLNPKFLSGKGLVIYPKIGDKLDIICPRAEAGRPYEYKLYLVRPEQAA ACSTVLDPNVLVTICNRPEQIRFTIKFQEFSPNYMGLEFKKHHDYYITSTNNGSLEGLN REGGVCRTTRTKIIMKVGQD PNAVTPPEQLT TSRPSKEADN TVKMATQAPG SRGSLGDSGDG KHETVNQEEKSGPGASGGSSGDPDGVDHHHHHH
Characteristics:	Recombinant Human Ephrin-B1/EFNB1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Leu28-Gly232) of Human EFNB1 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

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Target:	Ephrin B1 (EFNB1)
Alternative Name:	Ephrin-B1/EFNB1 ( <a href="#">EFNB1 Products</a> )
Sub Type:	Fusionprotein
Background:	<p>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) 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.</p> <p>Alternative Names: Ephrin-B1, also named EFL-3, ELK ligand, EPH-related receptor tyrosine kinase ligand 2, is a single-pass type I membrane protein.</p>
Molecular Weight:	23.4 kDa
UniProt:	<a href="#">P98172</a>
Pathways:	<a href="#">RTK Signaling</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>

## Handling

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Expiry Date: 3 months