

Datasheet for ABIN7319920

EPH Receptor B1 Protein (EPHB1) (Fc Tag)**1** Image[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	EPH Receptor B1 (EPHB1)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EPH Receptor B1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human Ephrin B Receptor 1/EphB1 (C-Fc)
Sequence:	Met18-Pro540
Characteristics:	Recombinant Human Ephrin Type-B Receptor 1 is produced by our Mammalian expression system and the target gene encoding Met18-Pro540 is expressed with a Fc 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:	EPH Receptor B1 (EPHB1)
Alternative Name:	EphB1 (EPHB1 Products)
Background:	Background: Ephrin Type-B Receptor 1 (EPHB1) is a single-pass type I membrane protein that belongs to the Ephrin-B family of receptor tyrosine kinases that is involved in embryonic

Target Details

nervous and vascular system development. EPHB1/EPHT2 contains two fibronectin type-III domains, one protein kinase domain and one SAM (sterile α motif) domain. EPHB1 could stimulate fibroblast motility on extracellular matrix in a kinase-dependent manner, which also correlated with its association with Grb7, an adaptor molecule implicated in the regulation of cell migration. It binds to ephrin-B1, ephrin-B2 and ephrin-B3. EPHB1 plays an important roles in diverse biological processes including nervous system development, angiogenesis, and neural synapsis formation and maturation and may be involved in cell-cell interactions in the nervous system.

Synonym: Ephrin Type-B Receptor 1, ELK, EPH Tyrosine Kinase 2, EPH-Like Kinase 6, EK6, hEK6, Neuronally-Expressed EPH, Related Tyrosine Kinase, NET, Tyrosine-Protein Kinase Receptor EPH-2, EPHB1, ELK, EPHT2, HEK6

Molecular Weight:	85.6 kDa
-------------------	----------

UniProt:	P54762
----------	------------------------

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

Application Details

Comment:	85-100 kDa
----------	------------

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

Handling

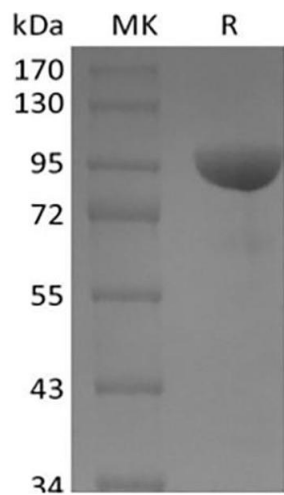
Format:	Lyophilized
---------	-------------

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

Buffer:	Lyophilized from a 0.2 μ m filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 8.0.
---------	--

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



Western Blotting

Image 1.