

Datasheet for ABIN7318107

EPH Receptor B2 Protein (EPHB2) (Fc Tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	EPH Receptor B2 (EPHB2)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EPH Receptor B2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human EphB2 Protein (Fc Tag)(Active)
Sequence:	Val19-Ser482
Characteristics:	Recombinant Human Ephrin type-B receptor 2 is produced by our Mammalian expression system and the target gene encoding Val19-Ser482 is expressed with a Fc tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human EphB2-Fc at 2µg/ml(100 µl/well) can bind Human EFNB2-His(Cat: PKSH032395).

Target Details

Target:	EPH Receptor B2 (EPHB2)
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Target Details

Alternative Name:	EphB2 (EPHB2 Products)
Background:	<p>Background: Ephrin type-B receptor 2(EPHB2) belongs to the protein kinase superfamily and Ephrin receptor subfamily. EPHB2 contains 1 Eph LBD domain, 2 fibronectin type-III domains, 1 protein kinase domain and 1 SAM domain. Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, 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. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family.</p> <p>Synonym: CAPB,DRT,EK5,EPHT3,ERK,Hek5,PCBC,Tyro5,EPHB2,Ephrin type-B receptor 2</p>
Molecular Weight:	78.5 kDa
Pathways:	RTK Signaling , Regulation of long-term Neuronal Synaptic Plasticity , S100 Proteins

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>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.</p>