

Datasheet for ABIN7596154

EPH Receptor B1 Protein (EPHB1) (AA 18-540) (His tag)[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	EPH Receptor B1 (EPHB1)
Protein Characteristics:	AA 18-540
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EPH Receptor B1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	MEETLMDTRT ATAELGWTAN PASGWEEVSG YDENLNTIRT YQVCNVFEPN QNNWLLTTFI NRRGAHRIYT EMRFTVRDCS SLPNVP GSCK ETFNLYYYET DSVIATKKSA FWSEAPYLVK DTIAADESFS QVDFGGRLMK VNTEVRSGFP LTRNGFYLAQ QDYGACMSLL SVRVFFKKCP SIVQNFAVFP ETMTGAESTS LVIARGTCIP NAEEDVPIK LYCNGDGEWM VPIGRCTCKP GYEPENSVAC KACPAGTFKA SQEAGCSHC PSNSRSPAEA SPICTCRTGY YRADFDPEV ACTSVPSGPR NVISIVNETS ILEWHPPRE TGGRDDVTYN ICKKCRADR RSCSRCDNV EFVPRQLGLT ECRVSISSLW AHTPYTFDIQ AINGVSSKSP FPPQHVSNI TTNQAAPSTV PIMHQVSATM RSITLSWPQP EQPNGILDY EIRYYEKEHN EFNSSMARSQ TNTARIDGLR PGMVYVQVR ARTVAGYGKF SGKMCFTLT DDDYKSELRE QLP
Purity:	> 95% by SDS-PAGE

Product Details

Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Measured by its binding ability in a functional ELISA with Human EFNB1 (CAT# ATGP3800).

Target Details

Target:	EPH Receptor B1 (EPHB1)
Alternative Name:	EphB1 (EPHB1 Products)
Background:	<p>EphB1 also known as Ephrin type-B receptor 1, is a member of the ephrin receptor subfamily of the protein-tyrosine kinase family which 16 known receptors. EphB1 has been shown to bind ephrin-B2, ephrin-B1, ephrin-A3, ephrin-A1, ephrin-A4, and ephrin-B3. It binds to tyrosine kinase phosphorylates syndecan-2 and that this phosphorylation event is crucial for syndecan-2 clustering and spine formation. Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. The ephrin/Eph families also appear to play a role in angiogenesis. Recombinant human EPHB1, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	59.2 kDa (529aa)
NCBI Accession:	NP_004432
Pathways:	RTK Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.