

Datasheet for ABIN7281187

EPH Receptor B2 Protein (EPHB2) (AA 19-543) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	EPH Receptor B2 (EPHB2)
Protein Characteristics:	AA 19-543
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EPH Receptor B2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	VEETLMDSTT ATAELGWMVH PPSGWEEVSG YDENMNTIRT YQVCNVFESS QNNWLRTKFI RRRGARIHV EMKFSVRDCS SIPSVPGSCK ETFNLYYYEA DFDSATKTFP NWMENPWVKV DTIAADESFS QVDLGGVMK INTEVRSFGP VSRSGFYLAQ QDYGGCMSLI AVRVFYRKCP RIIQNGAIFQ ETLSGAESTS LVAARGSCIA NAAEVDVPIK LYCNGDGEWL VPIGRMCKA GFEAVENTV CRGCPSTGTFK ANQGDEACTH CPINSRTTSE GATNCVCRNG YYRADLDPLD MPCTTIPSAP QAVISSVNET SLMLEWTPPR DSGGREDLVY NIICKSCGSG RGACTRCGDN VQYAPRQLGL TEPRIYISDL LAHTQYTFEI QAVNGVTDQS PFSPQFASVN ITTNQAAPSA VSIHQVSRT VDSITLSWSQ PDQPNGVILD YELQYYEKEL SEYNATAIKS PTNTVTVQGL KAGAIYVFQV RARTVAGYGR YSGKMYFQTM TEAEYQTSIQ EKLPLEHHH HHH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)

Target Details

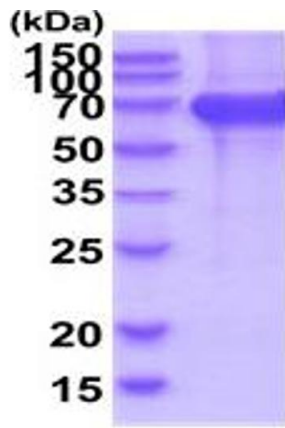
Target:	EPH Receptor B2 (EPHB2)
Alternative Name:	EPHB2 (EPHB2 Products)
Background:	<p>EPHB2, also known as ephrin type-B receptor 2 isoform 1, is a member of the transmembrane Eph receptor tyrosine kinase family (RTKs) that binds members of the Ephrin family on adjacent cells. The interaction triggers forward signaling in the receptor-expressing cells through the Eph receptor and reverse signaling in the ligand-expressing cells through Ephrin. Hippocampal neurons can release vesicles containing full length EPHB2, and these are taken up by neighboring glial cells. This protein controls axon guidance across the embryonic midline, promotes a neuronal fate from neural precursors, and regulates NMDA receptor activity. Recombinant human EPHB2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	59.1kDa (533aa) 50-70KDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	NP_059145
UniProt:	P29323
Pathways:	RTK Signaling , Regulation of long-term Neuronal Synaptic Plasticity , S100 Proteins

Application Details

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

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 20 % glycerol, 1 mM DTT.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.