

Datasheet for ABIN7596362

EPH Receptor B4 Protein (EPHB4) (AA 16-539) (His tag)



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Overview

Quantity:	100 µg
Target:	EPH Receptor B4 (EPHB4)
Protein Characteristics:	AA 16-539
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EPH Receptor B4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	<p>LEETLLNTKL ETADLKWVTF PQVDGQWEEL SGLDEEQHSV RTYEVCDVQR APGQAHWLRT</p> <p>GWVPRRGAVH VYATLRFTML ECLSLPRAGR SCKETFTVFY YESDADTATA LTPAWMENPY</p> <p>IKVDTVAAEH LTRKRPGAEA TGKVNKTLR LGPLSKAGFY LAFQDQGACM ALLSLHLFYK</p> <p>KCAQLTVNLT RFPETVPREL VVPVAGSCVV DAVPAPGPSP SLYCREDGQW AEQPVTGCSC</p> <p>APGFEEAEGN TKCRACAQGT FKPLSGEGSC QPCPANSHSN TIGSAVCQCR VGYFRARTDP</p> <p>RGAPCTTPPS APRSVVSRNLN GSSLHLEWSA PLESGGREDL TYALRCRECR PGGSCAPCGG</p> <p>DLTFDPGPRD LVEPWVVVRG LRPDFTYTFE VTALNGVSSL ATGPVPFEPV NVTTDREVPP</p> <p>AVSDIRVTRS SPSSLSLAWA VPRAPSGAVL DYEYKYHEKG AEGPSSVRFL KTSENRAELR</p> <p>GLKRGASYLV QVRARSEAGY GPFQGEHHSQ TQLDESEGWR EQLAVEHHHH HH</p>
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1µg of protein (determined by LAL method)

Target Details

Target:	EPH Receptor B4 (EPHB4)
Alternative Name:	EphB4 (EPHB4 Products)
Background:	EPHB4, also known ephrin type-B receptor 4, is a member of the Eph receptor tyrosine kinase family. It binds transmembrane ephrin-B family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. This protein plays a central role in heart morphogenesis and angiogenesis through regulation of cell adhesion and cell migration. And the signaling of this protein controls cellular repulsion and segregation form EFNB2-expressing cells. And it also plays a role in postnatal blood vessel remodeling, morphogenesis and permeability and is thus important in the context of tumor angiogenesis. Recombinant human EPHB4 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	58.1 kDa (532aa)
NCBI Accession:	NP_004435
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.