Datasheet for ABIN7519944

EPH Receptor B4 Protein (EPHB4) (Fc Tag,His tag)

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Overview

Quantity:	20 µg
Target:	EPH Receptor B4 (EPHB4)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EPH Receptor B4 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human EphB4/HTK Protein
Sequence:	MELRVLLCWA SLAAALEETL LNTKLETADL KWVTFPQVDG QWEELSGLDE EQHSVRTYEV CDVQRAPGQA HWLRTGWVPR RGAVHVYATL RFTMLECLSL PRAGRSCKET FTVFYYESDA DTATALTPAW MENPYIKVDT VAAEHLTRKR PGAEATGKVN VKTLRLGPLS KAGFYLAFQD QGACMALLSL HLFYKKCAQL TVNLTRFPET VPRELVVPVA GSCVVDAVPA PGPSPSLYCR EDGQWAEQPV TGCSCAPGFE AAEGNTKCRA CAQGTFKPLS GEGSCQPCPA NSHSNTIGSA VCQCRVGYFR ARTDPRGAPC TTPPSAPRSV VSRLNGSSLH LEWSAPLESG GREDLTYALR CRECRPGGSC APCGGDLTFD PGPRDLVEPW VVVRGLRPDF TYTFEVTALN GVSSLATGPV PFEPVNVTTD REVPPAVSDI RVTRSSPSSL SLAWAVPRAP SGAVLDYEVK YHEKGAEGPS SVRFLKTSEN RAELRGLKRG ASYLVQVRAR SEAGYGPFGQ EHHSQTQLDE SEGWREQLA
Specificity:	Met1-Ala539
Purity:	> 97 % by SDS-PAGE.

Product Details

Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human EFNB2 at 0.5 µg/mL (100 µL/well) can bind Human EPHB4 with a linear range of 6-400 pg/mL.

Target Details

Target:	EPH Receptor B4 (EPHB4)
Alternative Name:	EphB4/HTK (EPHB4 Products)
Background:	Description: 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. The protein encoded by this gene binds to ephrin-B2 and plays an essential role in vascular development. Name: EPHB4,HFASD,HTK,MYK1,TYRO11
Gene ID:	2050
UniProt:	P54760
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Handling

Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

