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Datasheet for ABIN7519937
EPH Receptor A2 Protein (EPHA2) (His tag)

Overview

Quantity:	100 µg
Target:	EPH Receptor A2 (EPHA2)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EPH Receptor A2 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human EphA2/ECK Protein
Sequence:	QGKEVLLDF AAAGGELGWL THPYGKGWDL MQNIMNDMPI YMYSVCNVMS GDQDNWLRTN WVYRGEAERI FIELKFTVRD CNSFPGGASS CKETFNLYYA ESDLDYGTNF QKRLFTKIDT IAPDEITVSS DFEARHVKLN VEERSVGPLT RKGFYLAFQD IGACVALLSV RYVYKKCP LQGLAHPET IAGSDAPSLA TVAGTCVDHA VPPGGEEP MHCAVDGEWL VPIGQCLCQA GYEKVEDACQ ACSPGFFKFE ASESACLECP EHTLPSPEGA TSCECEEGFF RAPQDPASMP CTRPPSAPHY LTAVGMGAKV ELRWTPPQDS GGREDIVYSV TCEQCWPESG ECGPCEASVR YSEPPHGLTR TSVTVSDLEP HMNYTFTVEA RNGVSGLVTS RSFRTASVSI NQTEPPKVRL EGRSTTSLSV SWSIPPPQQS RVWKYEVTYR KKGDSNSYNV RRETEGFSVTL DDLAPDTTYL VQVQALTQEG QGAGSKVHEF QTLSPEGSGN
Specificity:	Gln25-Asn534
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 EphA2 at 1 µg/mL (100 µL/well) can bind Human EFNA1 with a linear range of 0.098-4.084 ng/mL.

Target Details

Target:	EPH Receptor A2 (EPHA2)
Alternative Name:	EphA2/ECK (EPHA2 Products)
Background:	<p>Description: Eph receptor A2 (Ephrin type-A receptor 2 or EphA2) is a member of the ephrin receptor subfamily of the protein-tyrosine kinase family. The receptor tyrosine kinase which binds promiscuously membrane-bound ephrin-A family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Activated by the ligand ephrin-A1/EFNA1 regulates migration, integrin-mediated adhesion, proliferation and differentiation of cells. Regulates cell adhesion and differentiation through DSG1/desmoglein-1 and inhibition of the ERK1/ERK2 (MAPK3/MAPK1, respectively) signaling pathway. May also participate in UV radiation-induced apoptosis and have a ligand-independent stimulatory effect on chemotactic cell migration.</p> <p>Name: ARCC2,CTPA,CTPP1,CTRCT6,ECK,EPHA2</p>
Gene ID:	1969
UniProt:	P29317
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only
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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 vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 %

Handling

Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.