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Datasheet for ABIN7534186

EPH Receptor A3 Protein (EPHA3) (Fc Tag,His tag)

Overview

Quantity:	100 µg
Target:	EPH Receptor A3 (EPHA3)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EPH Receptor A3 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human EphA3 Protein
Sequence:	MDCQLSILLL LSCSVLDSFG ELIPQPSNEV NLLDSKTIQG ELGWISYPSH GWEEISGVDE HYTPIRTYQV CNVMDHSQNN WLR TNWVPRN SAQKIYVELK FTLRDCNSIP LVLGTCKETF NLYYMESDDD HGVKFRHQF TKIDTIAADE SFTQMDLGDR ILKLNTEIRE VGPVNKKGFY LAFQDVGACV ALVSVRVYFK KCPFTVKNLA MFPDTPMDS QSLVEVRGSC VNNSKEEDPP RMYCSTEGEW LVPIGKCSN AGYEERGFMC QACRPGFYKA LDGNMKCAKC PPHSSTQEDG SMNCRCENNY FRADKDPPSM ACTRPPSSPR NVISINETS VILDWSWPLD TGGRKDVTFN IICKKCGWNI KQCEPCSPNV RFLPRQFGLT NTTVTVDLL AHTNYTFEID AVNGVSELSS PPRQFAAVSI TTNQAAPSPV LTIKKDRTSR NSISLSWQEP EHPNGIILDY EVKYEKQEQ ETSYILRAR GTNVTISLK PDTIYVFQIR ARTAAGYGTN SRKFEFETSP DSFSISGESS Q
Specificity:	Met1-Gln541
Purity:	> 95 % 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 EFNA5 at 0.5µg/mL (100 µL/well) can bind Human EPHA3 with a linear range of 0.01-3.9 ng/mL.

Target Details

Target:	EPH Receptor A3 (EPHA3)
Alternative Name:	EphA3 (EPHA3 Products)
Background:	<p>Description: EphA3, also known as Cek4, Mek4, Hek, Tyro4, and Hek4, is a 135 kDa glycosylated member of the transmembrane Eph receptor tyrosine kinase family. EphA3 is expressed in the developing forebrain, retinal axons, some spinal cord motor neurons, and the heart where it plays an important role in axonal repulsion and organ morphogenesis. It is upregulated on some hematopoietic and solid tumor cells and on astrocytes surrounding injured nervous tissue . EphA3 ligation inhibits cellular adhesion to fibronectin as well as cellular migration. Transmembrane EphA3 associates in cis with ADAM10 which then promotes the cleavage in trans of Ephrin-A5. It also associates in cis with Ephrin-A5 on retinal axons, thereby preventing the activation of EphA3 by Ephrin-A.</p> <p>Name: EK4,ETK,HEK,ETK1,HEK4,TYRO4,EPHA3</p>
Gene ID:	2042
UniProt:	P29320
Pathways:	RTK Signaling, Regulation of Cell Size

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 % 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.