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Datasheet for ABIN7195532

EPH Receptor A6 Protein (Epha6) (Fc Tag)

1 Image

Overview

Quantity:	200 µg
Target:	EPH Receptor A6 (Epha6)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EPH Receptor A6 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse EphA6/EHK-2 Protein (Fc Tag)(Active)
Sequence:	Met 1-Gln 546
Characteristics:	A DNA sequence encoding the extracellular domain of mouse EphA6 (NP_031964.2) (Met 1-Gln 546) was fused with the Fc region of human IgG1 at the C-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized mouse EphrinA3 at 1 µg/ml (100 µl/well) can bind mouse EPHA6 / chimera with a linear ranger of 6.25-400 ng/ml.

Target Details

Target:	EPH Receptor A6 (Epha6)
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Target Details

Alternative Name: EphA6/EHK-2 ([Epha6 Products](#))

Background: Ephrin type-A receptor 6, also known as EphA6 or EHK2, belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family which 16 known receptors (14 found in mammals) are involved: EPHA1, EPHA2, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHA8, EPHA9, EPHA10, EPHB1, EPHB2, EPHB3, EPHB4, EPHB5, EPHB6. The Eph family of receptor tyrosine kinases (comprising EphA and EphB receptors) has been implicated in synapse formation and the regulation of synaptic function and plasticity⁶. Eph receptor-mediated signaling, which is triggered by ephrins⁷, probably modifies the properties of synapses during synaptic activation and remodeling. Ephrin receptors are components of cell signalling pathways involved in animal growth and development, forming the largest sub-family of receptor tyrosine kinases (RTKs). Ligand-mediated activation of Ephs induce various important downstream effects and Eph receptors have been studied for their potential roles in the development of cancer. In the vomeronasal system, Ephrin-A5/EphA6 interactions mediate attraction or adhesion rather than repulsion.

Synonym: Ehk2;Hek12;m-ehk2

Molecular Weight: 85 kDa

NCBI Accession: [NP_031964](#)

Pathways: [RTK Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

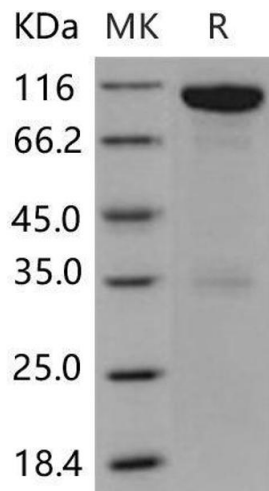
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.