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Datasheet for ABIN7195577 EPHA1 Protein (Fc Tag)

Overview

Quantity:	100 µg
Target:	EPHA1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EPHA1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human EphA1 Protein (Fc Tag)(Active)
Sequence:	Met 1-Glu547
Characteristics:	A DNA sequence encoding the human EPHA1 (EAL23789.1) (Met1-Glu547) was expressed with the Fc region of human IgG1 at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized human EFNA1-His at 10 µg/ml (100 µl /well) can bind human EPHA1-Fc, The EC50 of human EPHA1-Fc is 10-30 ng/ml.

Target Details

Target:	EPHA1
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Target Details

Alternative Name: EphA1 ([EPHA1 Products](#))

Background: Background: EPHA1 or EPH receptor A1 belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. An important role of Eph receptors and their ligands ephrins is to mediate cell-contact-dependent repulsion. Eph receptors and ephrins also act at boundaries to channel neuronal growth cones along specific pathways, restrict the migration of neural crest cells, and via bidirectional signaling prevent intermingling between hindbrain segments. Eph receptors and ephrins can also trigger an adhesive response of endothelial cells and are required for the remodeling of blood vessels. Eph receptors and ephrins have emerged as key regulators of the repulsion and adhesion of cells that underlie the establishment, maintenance, and remodeling of patterns of cellular organization. The ephrins and Eph receptors are implicated as positional labels that may guide the development of neural topographic maps.

Synonym: Ephrin type-A receptor 1, hEpha1, EPH tyrosine kinase, EPH tyrosine kinase 1, Erythropoietin-producing hepatoma receptor, Tyrosine-protein kinase receptor EPH, EPHA1, EPH, EPHT, EPHT1

Molecular Weight: 83.3 kDa

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.