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EPH Receptor A4 Protein (EPHA4) (His tag)





Overview

Quantity:	200 μg
Target:	EPH Receptor A4 (EPHA4)
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EPH Receptor A4 protein is labelled with His tag.

Product Details

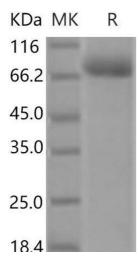
Purpose:	Recombinant Rat EphA4 Protein (His Tag)(Active)
Sequence:	Met1-Thr547
Characteristics:	A DNA sequence encoding the rat EPHA4 (D3ZZK3) (Met1-Thr547) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 97 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method
Biological Activity Comment:	Measured by its binding ability in a functional ELISA.Immobilized recombinant Rat EPHA4 Protein (His Tag) at 10 μ g/mL (100 μ l/well) can bind Recombinant rat EFNA5-Fc with a linear range of 7.8-12.5 ng/ml.

Target Details

Target: EPH Receptor A4 (EPHA4)

Target Details

Alternative Name:	EphA4 (EPHA4 Products)
Background:	Background: EPH receptor A4 (ephrin type-A receptor 4), also known as EphA4, 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. EphA4 is enriched or
	dendritic spines of pyramidal neurons in the adult mouse hippocampus, and ephrin-A3 is
	localized on astrocytic processes that envelop spines. 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). The extracellular domain of an EphA4 interacts with ephrin ligands, which may
	be tethered to neighbouring cells. 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.
	Synonym: EPHA4
Molecular Weight:	59.8 kDa
UniProt:	D3ZZK3
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:	
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.



Western Blotting

Image 1.