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Datasheet for ABIN7195524

EPH Receptor A3 Protein (EPHA3) (His tag)

1 Image

Overview

Quantity:	200 µg
Target:	EPH Receptor A3 (EPHA3)
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EPH Receptor A3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat EphA3 Protein (His Tag)(Active)
Sequence:	Met1-His541
Characteristics:	A DNA sequence encoding the rat EPHA3 (EDL75897.1) (Met1-His541) was expressed with a polyhistidine tag 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 rat EPHA3-His at 10 µg/ml (100 µl /well) can bind rat EFNA5-Fc, The EC50 of ratEFNA5-Fc is 9-20ng/ml.

Target Details

Target:	EPH Receptor A3 (EPHA3)
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Target Details

Alternative Name: EphA3 ([EPHA3 Products](#))

Background: Background: EPHA3 gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. EPHA3 gene encodes a protein that binds ephrin-A ligands. EPHA3 is involved in the retinotectal mapping of neurons. It may also control the segregation but not the guidance of motor and sensory axons during neuromuscular circuit development. [Immune Checkpoint](#) [Immunotherapy](#) [Cancer Immunotherapy](#) [Targeted Therapy](#)

Synonym: EPHA3

Molecular Weight: 61.2 kDa

Pathways: [RTK Signaling, Regulation of Cell Size](#)

Application Details

Restrictions: For Research Use only

Handling

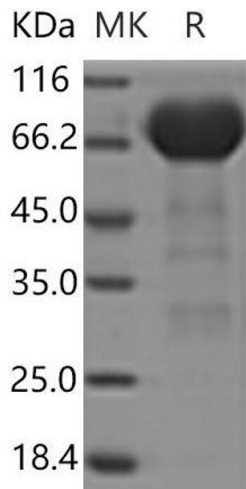
Format: Lyophilized

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.