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EPH Receptor A3 Protein (EPHA3) (AA 21-541) (mFc-His Tag)





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Overview

Quantity:	100 μg
Target:	EPH Receptor A3 (EPHA3)
Protein Characteristics:	AA 21-541
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EPH Receptor A3 protein is labelled with mFc-His Tag.
Application:	ELISA

Product Details

Purpose:	Recombinant human EPHA3 protein with C-terminal mouse Fc and 6xHis tag
Specificity:	EPHA3 (Glu21-Gln541) mFc (Pro99-Lys330) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	EPH Receptor A3 (EPHA3)
Alternative Name:	EPHA3 (EPHA3 Products)

Target Details

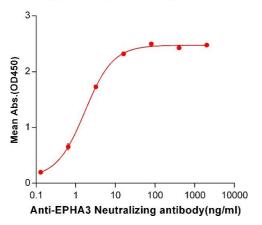
Expiry Date:

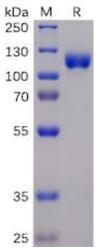
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Background:	This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. 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. This gene encodes a protein that binds ephrin-A ligands. Two alternatively spliced transcript variants have been described for this gene.
Molecular Weight:	predicted molecular mass of 85.9 kDa after removal of the signal peptide.
Gene ID:	2042
UniProt:	P29320
Pathways:	RTK Signaling, Regulation of Cell Size
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

12 months

Human EPHA3, mFc-His Tagged protein ELISA

 $0.2~\mu g$ of EPHA3, mFc-His Tagged protein per well





ELISA

Image 1. ELISA plate pre-coated by $2 \mu g/mL$ (100 $\mu L/well$) Human EPHA3, mFc-His tagged protein (ABIN6961115) can bind Anti-EPHA3 Neutralizing antibody in a linear range of 0.13-16.0 ng/mL.

SDS-PAGE

Image 2. Human EPHA3 Protein, mFc-His Tag on SDS-PAGE under reducing condition.