

Datasheet for ABIN6950965

EPH Receptor A4 Protein (EPHA4) (AA 20-547) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	EPH Receptor A4 (EPHA4)
Protein Characteristics:	AA 20-547
Origin:	Human
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

Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	EPH Receptor A4 (EPHA4)
Alternative Name:	EphA4 (EPHA4 Products)
Background:	Receptor tyrosine kinase which binds promiscuously membrane-bound ephrin-A family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Activated by the ligand ephrin-A1/EFNA1 regulates migration, integrin-mediated adhesion,

Target Details

proliferation and differentiation of cells. Regulates cell adhesion and differentiation through DSG1/desmoglein-1 and inhibition of the ERK1/ERK2 (MAPK3/MAPK1, respectively) signaling pathway. Engaged by the ligand ephrin-A5/EFNA5 may regulate lens fiber cells shape and interactions and be important for lens transparency development and maintenance. With ephrin-A2/EFNA2 may play a role in bone remodeling through regulation of osteoclastogenesis and osteoblastogenesis.

Molecular Weight: 60.3 kDa

NCBI Accession: [NP_004429](#)

Pathways: [RTK Signaling](#)

Application Details

Restrictions: For Research Use only

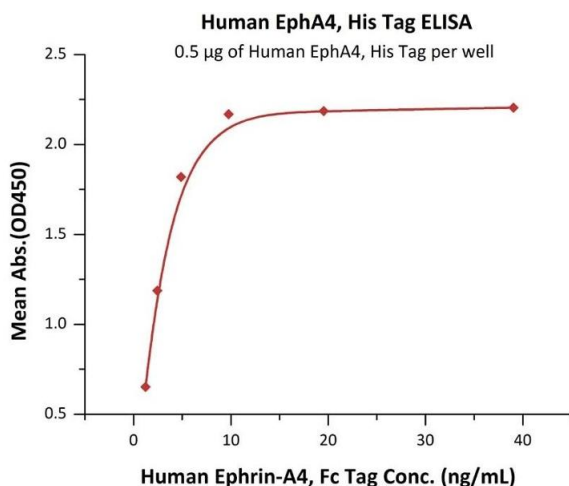
Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

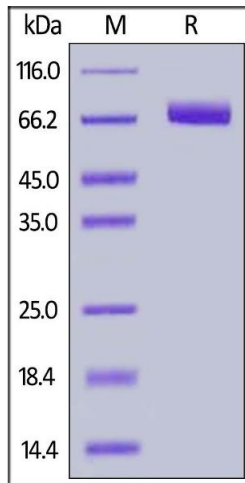
Storage: -20 °C

Images



ELISA

Image 1. Immobilized Human EphA4, His Tag (ABIN6938936, ABIN6950965) at 5 µg/mL (100 µL/well) can bind Human Ephrin-A4, Fc Tag (ABIN2181031, ABIN2181030) with a linear range of 0.6-5 ng/mL (QC tested).



SDS-PAGE

Image 2. Human EphA4, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .