



[Go to Product page](#)

Datasheet for ABIN7319871

EPH Receptor A8 Protein (EPHA8) (His tag)

1 Image

Overview

Quantity:	50 µg
Target:	EPH Receptor A8 (EPHA8)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EPH Receptor A8 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human EphA8 (C-6His)
Sequence:	Glu31--Thr542
Characteristics:	Recombinant Human Ephrin type-A receptor 8 is produced by our Mammalian expression system and the target gene encoding Glu31-Thr542 is expressed with a 6His tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	EPH Receptor A8 (EPHA8)
Alternative Name:	EphA8 (EPHA8 Products)
Background:	Background: EphA8, also known as Hek3 and Eek, is a 120 kDa glycosylated member of the Eph family of transmembrane receptor tyrosine kinases. The A and B classes of Eph proteins are

Target Details

distinguished by Ephrin ligand binding preference but have a common structural organization. Eph-Ephrin interactions are widely involved in the regulation of cell migration, tissue morphogenesis, and cancer progression. Receptor tyrosine kinase which binds promiscuously GPI-anchored ephrin-A family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The GPI-anchored ephrin-A EFNA2, EFNA3, and EFNA5 are able to activate EPHA8 through phosphorylation. With EFNA5 may regulate integrin-mediated cell adhesion and migration on fibronectin substrate but also neurite outgrowth. During development of the nervous system plays also a role in axon guidance. Downstream effectors of the EPHA8 signaling pathway include FYN which promotes cell adhesion upon activation by EPHA8 and the MAP kinases in the stimulation of neurite outgrowth.

Synonym: EEK, EK3, HEK3, EPH- and ELK-related kinase, EPH- and ELK-related tyrosine kinase, EPH receptor A8, EphA8, EPH-like kinase 3, ephrin type-A receptor 8, Hek3

Molecular Weight: 57.4 kDa

UniProt: [P29322](#)

Pathways: [RTK Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

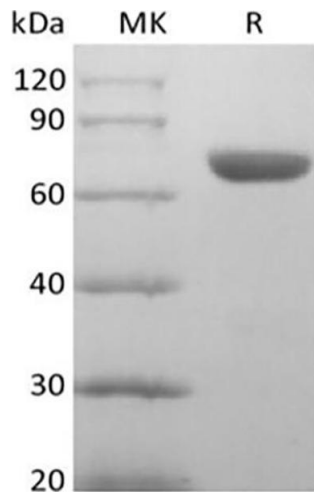
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, 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.