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Datasheet for ABIN7319624

EPH Receptor A7 Protein (EPHA7) (His tag)

Overview

Quantity:	50 µg
Target:	EPH Receptor A7 (EPHA7)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EPH Receptor A7 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human EphA7/EHK3 Protein (His Tag)(Active)
Sequence:	Gln28-Ile556
Characteristics:	Recombinant Human EphA7 is produced by our Mammalian expression system and the target gene encoding Gln28-Ile556 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.
Biological Activity Comment:	Immobilized Human EphA7-His at 2µg/ml(100 µl/well) can bind Human EFNA4-Fc-6His(Cat: PKSH032392). The ED50 of Human EphA7-His is 1.5190 ug/ml .

Target Details

Target:	EPH Receptor A7 (EPHA7)
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Target Details

Alternative Name: EphA7/EHK3 ([EPHA7 Products](#))

Background: Ephrin Type-A Receptor 7 (EPHA7) is a single-pass type I membrane protein which belongs to the Eph family of transmembrane receptor tyrosine kinases. It contains two fibronectin type-III domains, one protein kinase domain and one SAM (sterile alpha motif) domain. EPHA7 is a receptor for members of the ephrin-A family. Eph receptors are largely expressed throughout the ectoderm, mesoderm, and endoderm of vertebrate embryos. EPHA7 functions as a repulsive guidance molecule during the targeting of retinal axons to the superior colliculus and of neocortical axons to the thalamus. EPHA7 is expressed at a substantial level in most human lung cancers. The high expression of EPHA7 protein may participate in the malignancy transformation, invasion progression and metastasis of primary hepatocellular carcinoma. EPHA7 may involve in smoking related lung carcinogenesis.

Synonym: Ephrin Type-A Receptor 7, EPH Homology Kinase 3, EHK-3, EPH-Like Kinase 11, EK11, hEK11, EPHA7, EHK3, HEK11

Molecular Weight: 60.19 kDa

UniProt: [Q15375](#)

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 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

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.