

Datasheet for ABIN7317067

EPH Receptor A7 Protein (EPHA7) (GST tag,His tag)[Go to Product page](#)**1** Image

Overview

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

Product Details

Purpose:	Recombinant Human EphA7/EHK3 Protein (His & GST Tag)(Active)
Sequence:	Gly579-Val998
Characteristics:	A DNA sequence encoding the human EPHA7 (NP_004431) (Gly579-Val998) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 94 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	The specific activity was determined to be 9.5 nmol/min/mg using Poly(Glu:Tyr) 4:1 as substrate.

Target Details

Target:	EPH Receptor A7 (EPHA7)
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Target Details

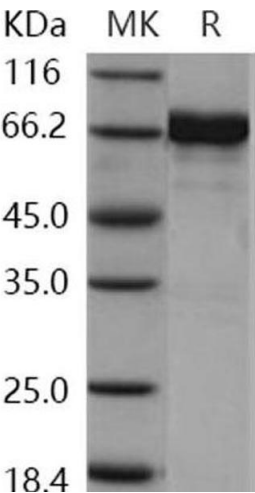
Alternative Name:	EphA7/EHK3 (EPHA7 Products)
Background:	<p>Background: Ephrin type-A receptor 7, also known as EphA7, belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family which 16 known receptors (14 found in mammals) are involved: EPHA1, EPHA2, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHA8, EPHA9, EPHA10, EPHB1, EPHB2, EPHB3, EPHB4, EPHB5, EPHB6. The Eph family of receptor tyrosine kinases (comprising EphA and EphB receptors) has been implicated in synapse formation and the regulation of synaptic function and plasticity⁶. Eph receptor-mediated signaling, which is triggered by ephrins⁷, probably modifies the properties of synapses during synaptic activation and remodeling. Ephrin receptors are components of cell signalling pathways involved in animal growth and development, forming the largest sub-family of receptor tyrosine kinases (RTKs). Ligand-mediated activation of Ephs induce various important downstream effects and Eph receptors have been studied for their potential roles in the development of cancer. Down-regulation of EphA7 secondary to hypermethylation has been reported in colorectal cancer. The expression of EphA7 was reduced in all tested gastric cancer cell lines, however, there is marked variability in expression among gastric carcinoma specimens. EphA7 may have roles in the pathogenesis and development of gastric carcinomas. Synonym: Ephrin Type-A Receptor 7, EPH Homology Kinase 3, EHK-3, EPH-Like Kinase 11, EK11, hEK11, EPHA7, EHK3, HEK11</p>
Molecular Weight:	75.2 kDa
NCBI Accession:	NP_004431
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
Buffer:	Supplied as sterile 20 mM Tris, 500 mM NaCl, pH 8.0, 10 % glycerol
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.