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Datasheet for ABIN4370403

EPH Receptor A7 Protein (EPHA7) (AA 28-556) (His tag)

Overview

Quantity:	50 µg
Target:	EPH Receptor A7 (EPHA7)
Protein Characteristics:	AA 28-556
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EPH Receptor A7 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Ephrin A Receptor 7/EphA7 (C-6His)
Sequence:	<p>QAAKEVLLLD SKAQQTELEW ISSPPNGWEE ISGLDENYTP IRTYQVCQVM EPNQNNWLRT NWISKGNAQR IFVELKFTLR DCNSLPGVLG TCKETFNLYY YETDYDTGRN IRENLYVKID TIAADESFTQ GDLGERKMKL NTEVREIGPL SKKGFYLAFAQ DVGACIALVS VKVYYKCCWS ILENLAIFPD TVTGSEFSSL VEVRGTCVSS AEEEEAENAPR MHCSAEGEWL VPIGKCICKA GYQQKGDTC PCGRGFYKSS SQDLQCSRCP THSFSDKEGS SRCECEDGYY RAPSDPPYVA CTRPPSAPQN LIFNINQTTV SLEWSPPADN GGRNDVTYRI LCKRCSWEQG ECVPCGSNIG YMPQQTGLED NYVTVMDDLLA HANYTFEVEA VNGVSDLSRS QRLFAAVSIT TGQAAPSQVS GVMKERVLR SVELSWQEPE HPNGVITEYE IKYYEKDQRE RTYSTVKTKS TSASINNLKP GTVYVFQIRA FTAAGYGNYS PRLDVATLEE ATGKMFATA VSSEQNPVIV DHHHHHHH</p>
Characteristics:	Recombinant Human Ephrin Type-A Receptor 7/EPHA7 produced by transfected human cells is a secreted protein with sequence (Gln28-Ile556) of Human EPHA7 fused with a polyhistidine tag at the C-terminus.

Product Details

Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	EPH Receptor A7 (EPHA7)
Alternative Name:	epha7 (EPHA7 Products)
Sub Type:	Fusionprotein
Background:	<p>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.</p> <p>Alternative Names: Ephrin Type-A Receptor 7, EPH Homology Kinase 3, EHK-3, EPH-Like Kinase 11, EK11, hEK11, EPHA7, EHK3, HEK11</p>
Molecular Weight:	60.19 kDa
UniProt:	Q15375
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O.

Handling

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: 4 °C/-20 °C/-80 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.
Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 3 months