Datasheet for ABIN7597350

EPH Receptor A3 Protein (EPHA3) (AA 21-324) (His tag)

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Overview

Quantity:	10 µg
Target:	EPH Receptor A3 (EPHA3)
Protein Characteristics:	AA 21-324
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EPH Receptor A3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant human EPHA3(21-324) Protein with C-terminal 10xHis tag
Sequence:	EPHA3(Glu21-Arg324) 10xHis tag
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	EPH Receptor A3 (EPHA3)
Alternative Name:	EPHA3 (EPHA3 Products)
Background:	EK4, ETK, HEK, ETK1, HEK4, TYRO4 This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single

Target Details

	kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. This gene encodes a protein that binds ephrin-A ligands. Two alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jul 2008]
Molecular Weight:	predicted molecular mass of 36.0 kDa after removal of the signal peptide. The apparent molecular mass of EPHA3(21-324)-His is 35-55 kDa due to glycosylation.
UniProt:	P29320
Pathways:	RTK Signaling, Regulation of Cell Size

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: • Immunogens for antibody drug development • Reagents used for CAR-T positive cell monitoring • Reagents for antibody screening and functional testing • Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months