Datasheet for ABIN7519951

Ephrin A5 Protein (EFNA5) (Fc Tag,His tag)

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Overview

Quantity:	100 µg
Target:	Ephrin A5 (EFNA5)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Ephrin A5 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human Ephrin-A5/EFNA5 Protein
Sequence:	QDPGSKAVAD RYAVYWNSSN PRFQRGDYHI DVCINDYLDV FCPHYEDSVP EDKTERYVLY MVNFDGYSAC DHTSKGFKRW ECNRPHSPNG PLKFSEKFQL FTPFSLGFEF RPGREYFYIS SAIPDNGRRS CLKLKVFVRP TNSCMKTIGV HDRVFDVNDK VENSLEPADD TVHESAEPSR GEN
Specificity:	Gln21-Asn203
Purity:	> 92 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human EPHA2 at 0.5 µg/mL (100 µL/well) can bind Human EFNA5 with a linear range of 0.02-0.67 ng/mL.

Target Details

Target:	Ephrin A5 (EFNA5)
Alternative Name:	Ephrin-A5/EFNA5 (EFNA5 Products)
Background:	Description: Ephrin-A5 also known as EFNA5, is a member of the Ephrin family, prevents axon bundling in cocultures of cortical neurons with astrocytes, a model of late stage nervous system development and differentiation. The EPH and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, particularly in the nervous system. EPH receptors typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin ligands and receptors have been named by the Eph Nomenclature Committee (1997). Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are similarly divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Name: EFNA5,AF1,EFL5,EPLG7,GLC1M,LERK7,RAGS,ephrin-A5
Gene ID:	1946
UniProt:	P52803
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term.

Handling

After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

