Datasheet for ABIN5709445

Ephrin A5 Protein (EFNA5) (AA 21-203) (His tag)

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1 Image

Overview

Quantity:	100 µg
Target:	Ephrin A5 (EFNA5)
Protein Characteristics:	AA 21-203
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ephrin A5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	QDPGSKVVAD RYAVYWNSSN PRFQRGDYHI DVCINDYLDV FCPHYEDSVP EDKTERYVLY MVNFDGYSAC DHTSKGFKRW ECNRPHSPNG PLKFSEKFQL FTPFSLGFEF RPGREYFYIS SAIPDNGRRS CLKLKVFVRP TNSCMKTIGV RDRVFDVNDK VENSLEPADD TVHESAEPSR GEN
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	Ephrin A5 (EFNA5)
Alternative Name:	EFNA5 (EFNA5 Products)
Background:	Cell surface GPI-bound ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial

Target Details

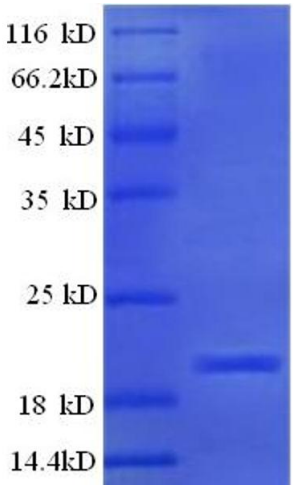
	development. Binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Induces compartmentalized signaling within a caveolae-like mbrane microdomain when bound to the extracellular domain of its cognate receptor. This signaling event requires the activity of the Fyn tyrosine kinase. Activates the EPHA3 receptor to regulate cell-cell adhesion and cytoskeletal organization. With the receptor EPHA2 may regulate lens fiber cells shape and interactions and be important for lens transparency maintenance. May function actively to stimulate axon fasciculation. The interaction of EFNA5 with EPHA5 also mediates communication between pancreatic islet cells to regulate glucose-stimulated insulin secretion. Cognate/functional ligand for EPHA7, their interaction regulates brain development modulating cell-cell adhesion and repulsion .
Molecular Weight:	25.3 kDa
UniProt:	P97605
Pathways:	RTK Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE
Image 1.

