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Datasheet for ABIN1691574

Ephrin A5 Protein (EFNA5) (AA 21-206) (His tag)

Overview

Quantity:	50 µg
Target:	Ephrin A5 (EFNA5)
Protein Characteristics:	AA 21-206
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ephrin A5 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Ephrin-A5/EFNA5 (C-6His)
Sequence:	QDPGSKVVAD RYAVYWNSSN PRFQRGDYHI DVCINDYLDV FCPHYEDSVP EDKTERYVLY MVNFDGYSAC DHTSKGFKRW ECNRPHSPNG PLKFSEKFQL FTPFSLGFEF RPGREYFYIS SAIPDNGRRS CLKLKVFRP TNSCMKTIGV HDRVFDVNDK VENSLEPADD TVHESAEPSR GENAAQVDHH HHHH
Characteristics:	Recombinant Mouse Ephrin-A5/EFNA5 (C-6His)
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:	Ephrin A5 (EFNA5)
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Target Details

Alternative Name:	Ephrin-A5/Efna5 (EFNA5 Products)
Background:	<p>Recombinant Mouse Ephrin-A5/Efna5 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Gln21-Gln206) of Mouse Ephrin-A5 fused with a polyhistidine tag at the C-terminus.</p> <p>Ephrin-A5 is a glycosylphosphatidylinositol (GPI)-anchored protein of the ephrin-A subclass of ephrin ligands that binds to the EphA subclass of Eph receptors. Ephrin-A5 has also been shown to bind to the EphB2 receptor. It is crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Ephrin-A5 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.</p>
Molecular Weight:	22.5 kDa
UniProt:	O08543
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>