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Datasheet for ABIN1691734

Ephrin A1 Protein (EFNA1) (AA 19-182) (Fc Tag)

Overview

Quantity:	50 µg
Target:	Ephrin A1 (EFNA1)
Protein Characteristics:	AA 19-182
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ephrin A1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human Ephrin-A1/EFNA1/LERK1 (C-Fc)
Sequence:	DRHTVFWNSS NPKFRNEDYT IHVQLNDYVD IICPHYEDHS VADAAMEQYI LYLVEHEEYQ LCQPQSKDQV RWQCNRPQSAK HGPEKLSEKF QRFTPTLTKG EFKEGHSYYY ISKPIHQHED RCLRLKVTVS GKITHSPQAH VNPQEKRLAA DDPEVRVLHS IAHSVDDIEG RMDEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLPSREEMTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSIRWQQGNV FSCSVMEAL HNHYTQKSLS LSPGK
Characteristics:	Recombinant Human Ephrin-A1/EFNA1/LERK1 (C-Fc)
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 A1 (EFNA1)
Alternative Name:	Ephrin-A1 (EFNA1 Products)
Background:	<p>Recombinant Human Ephrin-A1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Asp19-Ser182) of Human EFNA1 fused with a polyhistidine tag at the C-terminus.</p> <p>Ephrin-A1 is a member of the A-type ephrin family of cell surface proteins that function as ligands for the A-type Eph receptor tyrosine kinase family. Ephrin-A1 can be induced by TNF and IL1B. Its expression levels can be down-regulated in primary glioma tissues compared to the normal tissues. The soluble monomeric form is expressed in the glioblastoma multiforme (GBM) and breast cancer cells. Soluble Ephrin-A1 is necessary for the transformation of HeLa and SK-BR3 cells and participates in the relocalization of EPHA2 away from sites of cell-cell contact during transformation. Ephrin-A1 plays an important role in angiogenesis and tumor neovascularization.</p>
Molecular Weight:	46.5 kDa
UniProt:	P20827
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 PBS, 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>