

[Go to Product page](#)

Datasheet for ABIN1691460

Ephrin A1 Protein (EFNA1) (AA 19-182) (His 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 His tag.

Product Details

Purpose:	Recombinant Human Ephrin-A1/EFNA1/LERK-1 (C-6His)
Sequence:	DRHTVFWNSS NPKFRNEDYT IHVQLNDYVD IICPHYEDHS VADAAMEQYI LYLVEHEEYQ LCQPQSKDQV RWQCNRPQSAK HGPEKLSEKF QRFTPTTLGK EFKEGHSYYY ISKPIHQHED RCLRLKVTVS GKITHSPQAH VNPQEKRLAA DDPEVRVLHS IAHSVDHHHH HH
Characteristics:	Recombinant Human Ephrin-A1/EFNA1/LERK-1 (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 A1 (EFNA1)
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Target Details

Alternative Name: Ephrin-A1 ([EFNA1 Products](#))

Background: 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.

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.

Molecular Weight: 20.39 kDa

UniProt: [P20827](#)

Pathways: [RTK Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 µg/mL.
Dissolve the lyophilized protein in ddH2O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.
Aliquots of reconstituted samples are stable at < -20°C for 3 months.