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Datasheet for ABIN7318434

**Ephrin A1 Protein (EFNA1) (His tag)**

## Overview

Quantity:	50 µg
Target:	Ephrin A1 (EFNA1)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Ephrin A1 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Ephrin-A1/EFNA1 Protein (His Tag)(Active)
Sequence:	Asp19-Ser182
Characteristics:	Recombinant Human Ephrin-A1 is produced by our Mammalian expression system and the target gene encoding Asp19-Ser182 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human Ephrin-A1-His at 10µg/ml(100 µl/well) can bind Human EphA2-Fc(Cat: PKSH032384). The ED50 of Human Ephrin-A1-His is 12.43ug/ml .

## Target Details

Target:	Ephrin A1 (EFNA1)
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## Target Details

Alternative Name:	Ephrin-A1/EFNA1 ( <a href="#">EFNA1 Products</a> )
Background:	<p>Background: 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> <p>Synonym: Ephrin-A1, EPH-Related Receptor Tyrosine Kinase Ligand 1, LERK-1, Immediate Early Response Protein B61, Tumor Necrosis Factor Alpha-Induced Protein 4, TNF Alpha-Induced Protein 4, EFNA1, EPLG1, LERK1, TNFAIP4</p>
Molecular Weight:	20.4 kDa
UniProt:	<a href="#">P20827</a>
Pathways:	<a href="#">RTK Signaling</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.