

EFNA1 Protein, Human, Recombinant (hFc)

General Information

Synonyms:	TNFAIP4;LERK1;Tumor Necrosis Factor α -Induced Protein 4;Immediate Early Response Protein B61;Ephrin-A1;EPH-Related Receptor Tyrosine Kinase Ligand 1;TNF Alpha-Induced Protein 4;EFNA1;EPLG1;TNF α -Induced Protein 4;Tumor Necrosis Factor Alpha-Induced Protein 4;LERK-1
Protein Construction:	Asp19-Ser182
Species:	Human
Expression Host:	HEK293 Cells
Accession:	AAH32698.1
Molecular Weight:	55-60 KDa (reducing condition)
AA Sequence:	Asp19-Ser182

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 85% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C . For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein 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

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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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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