



Recombinant Protein Technical Manual

Recombinant Human Ephrin-A1/EFNA1 Protein (Fc Tag)(Active)

RPES2986

Product Data:

Product SKU: RPES2986

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P20827

Protein Information:

Molecular Mass: 46.5 kDa

AP Molecular Mass: 55-60 kDa

Tag: C-Fc

Bio-activity: Immobilized Human EphA2-His(Cat: PKSH032009) at 4µg/ml(100 µl/well) can bind Human EFNA1-Fc. The ED50 of Human EFNA1-Fc is 0.03ug/ml.

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: Ephrin-A1; EPH-Related Receptor Tyrosine Kinase Ligand 1; LERK; Immediate Early Response Protein B61; Tumor Necrosis Factor Alpha-Induced Protein 4; TNF Alpha-Induced Protein 4; EFNA1; EPLG1; LERK1; TNFAIP4

Immunogen Information:

Sequence: Asp19-Ser182

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.