Recombinant Human EphA1

Catalog No: CA70

Description	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.
Source	Human Cells
Alternative name	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
Accession No.	P20827
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB,150mM NaCl, pH7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	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.
Amino Acid Sequence	DRHTVFWNSSNPKFRNEDYTIHVQLNDYVDIICPHYEDHSVADAAMEQYILYLVEHEEYQLCQPQSKDQV RWQCNRPSAKHGPEKLSEKFQRFTPFTLGKEFKEGHSYYYISKPIHQHEDRCLRLKVTVSGKITHSPQAH VNPQEKRLAADDPEVRVLHSIAHSVDHH HHHH
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.

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