

Ephrin-A1 Recombinant Protein | Efna1 recombinant protein

Recombinant Rat Ephrin-A1

CATALOG # AAA113634	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
-------------------------------	---

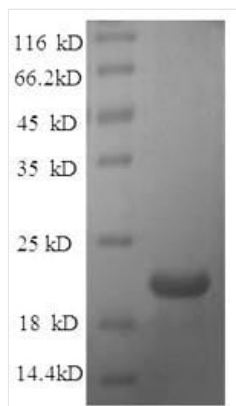
PRODUCT SYNONYMS

Ephrin-A1; Recombinant Rat Ephrin-A1; EPH-related receptor tyrosine kinase ligand 1; LERK-1; Immediate early response protein B61; Efna1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	18-182. Full Length of Mature Protein
Sequence	ADRHIVFWSNPNKFREEEDYTVHVQLNDYLDIICPHYEDDSVADAAMERYTLYMVEHQEYVTCEPQSKDQVRWKCNPQSAKHGPEKLSEKQRFPTFTLGKEFKEGHSYYIISKPIYHQETQCLKLKVTVNGKITHSPHANPQEKRLQADDPEVQVLHSIGHS
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Efna1 recombinant protein	Cell surface GPI-bound ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. Plays an important role in angiogenesis and tumor neovascularization. The recruitment of VAV2, VAV3 and PI3-kinase p85 subunit by phosphorylated EPHA2 is critical for EFNA1-induced RAC1 GTPase activation and vascular endothelial cell migration and assembly. Exerts anti-oncogenic effects in tumor cells through activation and down-regulation of EPHA2. Activates EPHA2 by inducing tyrosine phosphorylation which leads to its internalization and degradation. Acts as a negative regulator in the tumorigenesis of gliomas by down-regulating EPHA2 and FAK. Can evoke collapse of embryonic neuronal growth cone and regulates dendritic spine morphogenesis.
References	Molecular cloning and expression of rat and mouse B61 gene implications on organogenesis.Takahashi H., Ikeda T.Oncogene 11:879-883(1995)

NCBI AND UNIPROT INFORMATION

NCBI GI #	61889105
NCBI GeneID	94268
NCBI Accession #	NP_446051.2
NCBI GenBank Nucleotide #	NM_053599.2
UniProt Accession #	P97553; Q6NS29
Molecular Weight	21.4 kDa
NCBI Official Full Name	ephrin-A1
NCBI Official Synonym Full Names	ephrin A1
NCBI Official Symbol	Efna1
NCBI Official Synonym Symbols	B61
NCBI Protein Information	ephrin-A1
UniProt Protein Name	Ephrin-A1
UniProt Gene Name	Efna1
UniProt Synonym Gene Names	Epgl1; Lerk1; LERK-1
UniProt Entry Name	EFNA1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/efna1-recombinant-protein-e-coli/113634>