EFNA4 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	EFNA4, Recombinant Protein
Full Product Name	Recombinant Human EFNA4
Product Gene Name	EFNA4 recombinant protein
Product Synonym Names	Ephrin-A4; EPH-Related Receptor Tyrosine Kinase Ligand 4; LERK-4; EFNA4; EPLG4; LERK4
Sequence	Leu26-Gly1 71
Host	Mammalian Cells
Form/Format	Lyophilized from a 0.2um filtered solution of PBS, 5% Trehalose, 5% Mannitol, 0.01% Tween 80, pH7.4
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Preparation and Storage	The lyophilized protein is stable at -20 degree C for up to 1 year. After reconstitution, the protein solution is stable at -20 to -80 degree C for 3 months or 1 week at 2 to 8 degree C under sterile conditions. For extended storage, it is recommended to further dilute in working aliquots, avoid repeated freeze/thaw cycle.
Molecular Weight	22,386 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (155036213..155042029). Location: 1q21-q22
OMIM	601380
3D Structure	ModBase 3D Structure for P52798
Species	Human
Endotoxin	< 1 EU/ug as determined by LAL test.
Tag	C-terminal His Tag
Reconstitution	Centrifuge the vial at 10000rpm for 30s before opening, reconstitute in sterile distilled water to a concentration of 0.1-1mg/ml by gently pipetting 2-3 times, don't vortex.
Product Categories/Family for EFNA4 recombinant protein	recombinant-proteins
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for EFNA4 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for EFNA4 recombinant protein	MBS7621674 is a recombinant protein targeting EFNA4. Also known as Recombinant Human EFNA4. Host: Mammalian Cells.
Other Notes	Small volumes of EFNA4 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EFNA4. It may not necessarily be applicable to this product.

NCBI GI #	4885197
NCBI GeneID	1945

NCBI Accession #	NP_005218.1
UniProt Primary Accession #	P52798
UniProt Secondary Accession #	O95457; Q5SR71; Q6FI57; C9JHJ8
UniProt Related Accession #	P52798
GenBank Nucleotide #	NM_005227.2
NCBI Official Full Name	ephrin-A4 isoform a
NCBI Official Synonym Full Names	ephrin-A4
NCBI Official Symbol	EFNA4
NCBI Official Synonym Symbols	EFL4; EPLG4; LERK4
UniProt Protein Name	Ephrin-A4
UniProt Synonym Protein Names	EPH-related receptor tyrosine kinase ligand 4
Protein Family	Ephrin
UniProt Gene Name	EFNA4
UniProt Synonym Gene Names	EPLG4; LERK4; LERK-4
UniProt Entry Name	EFNA4_HUMAN
NCBI Protein Information	ephrin-A4; LERK-4; ligand of eph-related kinase 4; eph-related receptor tyrosine kinase ligand 4
NCBI Summary for EFNA4	This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. This gene encodes an EFNA class ephrin. Three transcript variants that encode distinct proteins have been identified. [provided by RefSeq, Jul 2008]
UniProt Comments for EFNA4	EFNA4: 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. May play a role in the interaction between activated B-lymphocytes and dendritic cells in tonsils. Belongs to the ephrin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, GPI anchor; Ligand, receptor tyrosine kinase Chromosomal Location of Human Ortholog: 1q21-q22 Cellular Component: integral to plasma membrane; plasma membrane; extracellular region Molecular Function: protein binding; transmembrane-ephrin receptor activity; ephrin receptor binding Biological Process: axon guidance; cell-cell signaling; ephrin receptor signaling pathway; osteoclast differentiation; bone remodeling
Research Articles on EFNA4	**1.** Observational study of gene-disease association. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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