Phosphatidylinositol 4-Phosphate 5-Kinase-Like Protein 1 (PIP5KL1) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphatidylinositol 4-phosphate 5-kinase-like protein 1 (PIP5KL1), Recombinant Protein
Full Product Name	Recombinant Human Phosphatidylinositol 4-phosphate 5-kinase-like protein 1 (PIP5KL1)
Product Gene Name	PIP5KL1 recombinant protein
Product Synonym Gene Name	PIP5KL1
Sequence	MAAPSPGPRE VLAPSPEAGC RAVTSSRRGL LWRLRDKQSR LGLFEISPGH ELHGMTCMMQ AGLWAATQVS MDHPPTGPPS RDDFSEVLTQ VHEGFELGTL AGPAFAWLRR SLGLAEEDYQ AALGPGGPYL QFLSTSKSKA SFFLSHDQRF FLKTQGRREV QALLAHLPRY VQHLQRHPHS LLARLLGVHS LRVDRGKKTY FIVMQSVFYP AGRISERYDI KGCEVSRWVD PAPEGSPLVL VLKDLNFQGK TINLGPQRSW FLRQMELDTT FLRELNVLDY SLLIAFQRLH EDERGPGSSL IFRTARSVQG AQSPEESRAQ NRRLLPDAPN ALHILDGPEQ RYFLGVVDLA TVYGLRKRLE HLWKTLRYPG RTFSTVSPAR YARRLCQWVE AHTE
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	22,029 Da
Sequence Positions	1-394, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	612865
3D Structure	ModBase 3D Structure for Q5T9C9
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PIP5KL1 recombinant protein	MBS1352848 is a recombinant protein targeting PIP5KL1. Also known as Recombinant Human Phosphatidylinositol 4-phosphate 5-kinase-like protein 1 (PIP5KL1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PIP5KL1 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 PIP5KL1. It may not necessarily be applicable to this product.

NCBI GI #	206725454
NCBI GeneID	138429

NCBI Accession #	NP_001128691.1
UniProt Primary Accession #	Q5T9C9
UniProt Secondary Accession #	Q8IVS3
UniProt Related Accession #	Q5T9C9
GenBank Nucleotide #	NM_001135219.1
NCBI Official Full Name	phosphatidylinositol 4-phosphate 5-kinase-like protein 1 isoform 1
NCBI Official Synonym Full Names	phosphatidylinositol-4-phosphate 5-kinase like 1
NCBI Official Symbol	PIP5KL1
NCBI Official Synonym Symbols	PIPKH
UniProt Protein Name	Phosphatidylinositol 4-phosphate 5-kinase-like protein 1
Protein Family	Phosphatidylinositol 4-phosphate 5-kinase-like protein
UniProt Gene Name	PIP5KL1
UniProt Synonym Gene Names	PI(4)P 5-kinase-like protein 1; PtdIns(4)P-5-kinase-like protein 1
NCBI Protein Information	phosphatidylinositol 4-phosphate 5-kinase-like protein 1
NCBI Summary for PIP5KL1	PIP5KL1 is a phosphoinositide kinase-like protein that lacks intrinsic lipid kinase activity but associates with type I PIPKs (see PIP5K1A; MIM 603275) and may play a role in localization of PIPK activity (Chang et al., 2004 [PubMed 14701839]).[supplied by OMIM, Jun 2009]
UniProt Comments for PIP5KL1	May act as a scaffold to localize and regulate type I PI4P 5-kinases to specific compartments within the cell, where they generate PI(4,5)P2 for actin nucleation, signaling and scaffold protein recruitment and conversion to PI(3,4,5)P3.
Research Articles on PIP5KL1	**1.** These studies indicate a functional negative correlation between elevated levels of PIP5KL1 and the development of human gastric cancer.
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