Acid Phosphatase-Like Protein 2 (acpl2) Danio Rerio Recombinant Protein

PRODUCT OVERVIEW

Product Name	Acid phosphatase-like protein 2 (acpl2), Recombinant Protein
Full Product Name	Recombinant Danio rerio Acid phosphatase-like protein 2 (acpl2)
Product Gene Name	acpl2 recombinant protein
Product Synonym Gene Name	acpl2
Sequence	LQYLHLIPTN PVAEQRSAGR SRKRVNPVLH TDPPAPDPIR DTHQYCNYPN LTEHGWEGHC PPDYKLLSVQ VMIRHGDRFP LYSIPKTKKP TIDCILSEKR KPSHPLLASF ISHMALGGRG HWDASLGSLP RLPSHSTCEM GELTQTGVVR QLKNGDHLRQ AYISRHNLLA ADWLPRQLWA ETTGKSRTLQ SGLAFLFGFL PHFDWSRLTV RQQWSTLFCG QSCDCPARNR YLDQEQRRQY RQRIADAELE RTYVTMAKTL GVATKTLRAA NPVDALLCHF CHGLPFPCSS TQTSSNAPDE GACLTLEHFA VIRRQQKDDE LERREAGLYR RYAVLAAHPY LNRSAARLER IARGSQMRKS KEDAVFALAS AHDVTMAPLL SALGLEGAGF PKFAARLVFE LWSSPETKER RSDRKLDNMF IRVLYNGEDL TFDTAFCREH NRRSTQPLCP LGNFLSFVRK DMFSVVNATS YQQACHQTVL
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	57,021 Da
Sequence Positions	24-503, 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.
3D Structure	ModBase 3D Structure for Q6DH46
Species	Zebrafish
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for acpl2 recombinant protein	MBS1409864 is a recombinant protein targeting acpl2. Also known as Recombinant Danio rerio Acid phosphatase-like protein 2 (acpl2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of acpl2 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 acpl2. It may not necessarily be applicable to this product.

NCBI GI #	50539920
NCBI GeneID	436703
NCBI Accession #	NP_001002430.1
UniProt Primary Accession #	Q6DH46

UniProt Related Accession #	Q6DH46
GenBank Nucleotide #	NM_001002430.1
NCBI Official Full Name	2-phosphoxylose phosphatase 1
NCBI Official Synonym Full Names	2-phosphoxylose phosphatase 1
NCBI Official Symbol	pxylp1
NCBI Official Synonym Symbols	acpl2; zgc:92652; wu:fj34f09
UniProt Protein Name	2-phosphoxylose phosphatase 1
UniProt Synonym Protein Names	Acid phosphatase-like protein 2
UniProt Gene Name	pxylp1
NCBI Protein Information	2-phosphoxylose phosphatase 1
UniProt Comments for acpl2	Responsible for the 2-O-dephosphorylation of xylose in the glycosaminoglycan-protein linkage region of proteoglycans thereby regulating the amount of mature glycosaminoglycan (GAG) chains. Sulfated glycosaminoglycans (GAGs), including heparan sulfate and chondroitin sulfate, are synthesized on the so-called common GAG-protein linkage region (GlcUAbeta1-3Galbeta1-3Galbeta1-4Xylbeta1-O-Ser) of core proteins, which is formed by the stepwise addition of monosaccharide residues by the respective specific glycosyltransferases.
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