Hexokinase-Like 1 Protein (AT1G47840) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Hexokinase-like 1 protein (At1g47840), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Hexokinase-like 1 protein (At1g47840)
Product Gene Name	At1g47840 recombinant protein
Product Synonym Gene Name	At1g47840
Sequence	MSLMFSSPVV TPALGSFTFS SRPRSNYIVM SAVRSNSAST CPILTKFQKD CATPTPYLRN VANAIADDMR DGLAVEGGGD LEMILTFVDA LPSGNEEGLF YALDLGGTNF RVRSVQLGGK KERVLATESE QISISQKLMI GTSEELFGFI ASKLANFVAK EKPGRFLLEE GRKRELGFTF SFPVKQTSID SGTLSKWTKG FKVSGMEGKN VVACLNEAME AHGLDMRVSA LVNDGVGTLA GARYWDEDVM VGVILGTGTN ACYVEQKHAI PKLRSKSSSG TTIINTEWGG FSKILPQTIF DLEMDETSLN PGEHLYEKMI SGMYLGEIVR RVLLHMCETS DLFGHFAPAK LSTPLALRTE HLCKMQEDNT DDLRDVGSIL YDFLDVEANM NARRRVVEVC DTVVKRGGRL AGAGIVAILE KIEKDTKRMG SGKRTVVAMD GALYEKYPQY RQYMQDALVE LLGHKLASHV AIKHTKDVSG LGAALLAATN SIY
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	53,880 Da
Sequence Positions	1-493, 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 Q9FZG4
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for At1g47840 recombinant protein	MBS1438676 is a recombinant protein targeting At1g47840. Also known as Recombinant Arabidopsis thaliana Hexokinase-like 1 protein (At1g47840). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of At1g47840 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 At1g47840. It may not necessarily be applicable to this product.

NCBI GI #	30694182
NCBI GeneID	841200
NCBI Accession #	NP_175220.2

UniProt Primary Accession #	Q9FZG4
UniProt Secondary Accession #	A4VCN1
UniProt Related Accession #	Q9FZG4
GenBank Nucleotide #	NM_103682.4
NCBI Official Full Name	hexokinase 3
NCBI Official Symbol	HXK3
NCBI Official Synonym Symbols	hexokinase 3; T2E6.5; T2E6_5
UniProt Protein Name	Hexokinase-like 1 protein
Protein Family	Hexokinase-like 1 protein
UniProt Gene Name	At1g47840
NCBI Protein Information	hexokinase 3
NCBI Summary for At1g47840	Encodes a putative hexokinase.
Research Articles on At1g47840	**1.** plastid HXK enzyme activities, location, function in signal transduction, and cross talk to plastid GUN1 protein (a key signaling factor) were investigated. pHXK may be a node of convergence for sugar-mediated and PGE-derived signals.
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