UDP-Arabinopyranose Mutase 3 (UAM3) Oryza Sativa Subsp. Japonica Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-arabinopyranose mutase 3 (UAM3), Recombinant Protein
Full Product Name	Recombinant Oryza sativa subsp. japonica UDP-arabinopyranose mutase 3 (UAM3)
Product Gene Name	UAM3 recombinant protein
Product Synonym Gene Name	UAM3
Sequence	MASSDAAAAQ AATPLLKDEL DIVIPTIRNL DFLEMWRPFF QPYHLIIVQD GDPKKTIRVP EGFDYELYNR DDINRILGPR ASCISFKDSA CRCFGYMVSK KKYIYTIDDD CFVAKDPSGK DINALEQHIK NLLNPSTPFF FNTLYDPYRD GADFVRGYPF SLREGAPTAV SHGLWLNIPD YDAPTQLVKP LERNSRYVDA VMTIPKGTLF PMCGMNLAFD RDLIGPAMYF GLMGDGQPIG RYDDMWAGWC TKVITDHLGL GVKTGLPYIW HSKASNPFVN LKKEYNGIFW QEELIPFFQS ASLPKEADTV QKCYLELAKQ VRAKLGKVDG YFNKLADSMV TWIEAWDQLN PPKGAVATAN GTAKSK
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	41,279 Da
Sequence Positions	1-366, 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 Q6Z4G3
Species	Oryza sativa subsp. japonica (Rice)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for UAM3 recombinant protein	MBS1349962 is a recombinant protein targeting UAM3. Also known as Recombinant Oryza sativa subsp. japonica UDP-arabinopyranose mutase 3 (UAM3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of UAM3 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 UAM3. It may not necessarily be applicable to this product.

NCBI GI #	1002287343
NCBI GeneID	4343849
NCBI Accession #	XP_015647980.1

UniProt Primary Accession #	Q6Z4G3
UniProt Secondary Accession #	A0A0P0X8G9
UniProt Related Accession #	Q6Z4G3
GenBank Nucleotide #	XM_015792494.1
NCBI Official Full Name	UDP-arabinopyranose mutase 3
NCBI Official Symbol	LOC4343849
NCBI Official Synonym Symbols	RGP3; UAM3; OsUAM3; OsJ_25044
UniProt Protein Name	UDP-arabinopyranose mutase 3
UniProt Synonym Protein Names	Reversibly glycosylated polypeptide 3
Protein Family	UDP-arabinopyranose mutase
UniProt Gene Name	UAM3
UniProt Synonym Gene Names	OsUAM3
NCBI Protein Information	UDP-arabinopyranose mutase 3
UniProt Comments for UAM3	UDP-L-arabinose mutase involved in the biosynthesis of cell wall non-cellulosic polysaccharides. Catalyzes the interconvertion of UDP-L-arabinopyranose (UDP-Arap) and UDP-L-arabinofuranose (UDP-Araf). Preferentially catalyzes the formation of UDP-Arap from UDP-Araf. At thermodynamic equilibrium in vitro the ratio of the pyranose form over the furanose form is 90:10. Is probably active as heteromer in vivo.
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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