Probable UDP-Arabinopyranose Mutase 4 (RGP4) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable UDP-arabinopyranose mutase 4 (RGP4), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Probable UDP-arabinopyranose mutase 4 (RGP4)
Product Gene Name	RGP4 recombinant protein
Product Synonym Gene Name	RGP4
Sequence	MAGYNLEAIE AAPLKDDLDI VIPTIRSLDF LEQWRPFLHH YHLIIVQDGD PSIKIRVPEG YDYELYNRND INRILGPRAN CISYKDGGCR CFGFMVSKKK YIYTIDDDCF VAKDPSGKDI NVIAQHIKNL ETPSTPHYFN TLYDPFRDGT DFVRGYPFSL REGVQTAISH GLWLNIPDYD APTQLVKPRE RNTRYVDAVM TIPKRVLYPM CGMNLAFNRE LVGPAMYFGL MGEGQPISRY DDMWAGWAAK VVCDHLGFGV KTGLPYLWHS KASNPFVNLK KEHKGLHWQE DMVPFFQNLR LSKESDTAAK CYMEISNMTK EKLTKVDPYF EKLADAMVVW IEAWEELNPP VKKKQSDGKD VKAK
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	41,866 Da
Sequence Positions	1-364, 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 Q9LUE6
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RGP4 recombinant protein	MBS1336592 is a recombinant protein targeting RGP4. Also known as Recombinant Arabidopsis thaliana Probable UDP-arabinopyranose mutase 4 (RGP4). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of RGP4 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 RGP4. It may not necessarily be applicable to this product.

NCBI GI #	15241258
NCBI GeneID	835147
NCBI Accession #	NP_199888.1

UniProt Primary Accession #	Q9LUE6
UniProt Related Accession #	Q9LUE6
GenBank Nucleotide #	NM_124453.3
NCBI Official Full Name	reversibly glycosylated polypeptide 4
NCBI Official Symbol	RGP4
NCBI Official Synonym Symbols	MFB16.25; MFB16_25; reversibly glycosylated polypeptide 4
UniProt Protein Name	Probable UDP-arabinopyranose mutase 4
UniProt Synonym Protein Names	Reversibly glycosylated polypeptide 4
Protein Family	Probable UDP-arabinopyranose mutase
UniProt Gene Name	RGP4
UniProt Synonym Gene Names	AtRGP4
NCBI Protein Information	reversibly glycosylated polypeptide 4
NCBI Summary for RGP4	RGP4 is a reversibly glycosylated polypeptide. Analyses using tagged RGP4 suggest that it is present in the cytosol and in association with the Golgi apparatus. Recombinant RGP4 does not have UDP-arabinose mutase activity based on an in vitro assay even though the related RGP1, RGP2, and RGP3 proteins do have activity in the same assay. RGP4 can form complexes with RGP1 and RGP2. RGP4 is expressed during seed development.
UniProt Comments for RGP4	Probable UDP-L-arabinose mutase involved in the biosynthesis of cell wall non-cellulosic polysaccharides.
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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