Probable Monodehydroascorbate Reductase, Cytoplasmic Isoform 4 (AT5G03630) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable monodehydroascorbate reductase, cytoplasmic isoform 4 (At5g03630), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Probable monodehydroascorbate reductase, cytoplasmic isoform 4 (At5g03630)
Product Gene Name	At5g03630 recombinant protein
Product Synonym Gene Name	At5g03630
Sequence	MAEEKSFKYV IVGGGVAAGY AAREFFNQGV KPGELAIISR EQVPPYERPA LSKGYIHLEN KATLPNFYVA AGIGGERQFP QWYKEKGIEL ILGTEIVKAD LAAKTLVSGT GQVFKYQTLL AATGSSVIRL SDFGVPGADA KNIFYLRELE DADYLAYAME TKEKGKAVVV GGGYIGLELG AALKANNLDV TMVYPEPWCM PRLFTAGIAS FYEGYYANKG INIVKGTVAS GFTTNSNGEV TEVKLKDGRT LEADIVIVGV GGRPIISLFK DQVEEEKGGL KTDGFFKTSL PDVYAIGDVA TFPMKLYNEM RRVEHVDHAR KSAEQAVKAI KAAEEGNSIP EYDYLPYFYS RAFDLSWQFY GDNVGESVLF GDNDPESPKP KFGSYWIKER KVVGAFLEGG SPEENNAIAK LARAQPSVES LEVLSKEGLS FATNI
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	47,480 Da
Sequence Positions	1-435, 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 Q93WJ8
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for At5g03630 recombinant protein	MBS1281149 is a recombinant protein targeting At5g03630. Also known as Recombinant Arabidopsis thaliana Probable monodehydroascorbate reductase, cytoplasmic isoform 4 (At5g03630). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of At5g03630 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 At5g03630. It may not necessarily be applicable to this product.

NCBI GI #	18414298
NCBI GeneID	831774

NCBI Accession #	NP_568125.1
UniProt Primary Accession #	Q93WJ8
UniProt Secondary Accession #	Q0WUJ1; Q8LBB1; Q9LZS5
UniProt Related Accession #	Q93WJ8
GenBank Nucleotide #	NM_120444.5
NCBI Official Full Name	Pyridine nucleotide-disulfide oxidoreductase family protein
NCBI Official Symbol	ATMDAR2
NCBI Official Synonym Symbols	F17C15.50; F17C15_50; MDAR2
UniProt Protein Name	Monodehydroascorbate reductase 2
UniProt Gene Name	MDAR2
UniProt Synonym Gene Names	AtMDAR2
NCBI Protein Information	Pyridine nucleotide-disulfide oxidoreductase family protein
UniProt Comments for At5g03630	Catalyzes the conversion of monodehydroascorbate to ascorbate, oxidizing NADH in the process.
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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