Glutathione S-Transferase U24 (GSTU24) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutathione S-transferase U24 (GSTU24), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Glutathione S-transferase U24 (GSTU24)
Product Gene Name	GSTU24 recombinant protein
Product Synonym Gene Name	GSTU24
Sequence	MADEVILLDF WASMFGMRTR IALAEKRVKY DHREEDLWNK SSLLLEMNPV HKKIPVLIHN GKPVCESLIQ IEYIDETWPD NNPLLPSDPY KRAHAKFWAD FIDKKVNVTA RRIWAVKGEE QEAAKELIEI LKTLESELGD KKYFGDETFG YVDIALIGFH SWFAVYEKFG NVSIESECSK LVAWAKRCLE RESVAKALPE SEKVITFISE RRKKLGLE
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	25,306 Da
Sequence Positions	1-218, 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 Q9SHH6
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GSTU24 recombinant protein	MBS1325090 is a recombinant protein targeting GSTU24. Also known as Recombinant Arabidopsis thaliana Glutathione S-transferase U24 (GSTU24). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of GSTU24 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 GSTU24. It may not necessarily be applicable to this product.

NCBI GI #	15220040
NCBI GeneID	838288
NCBI Accession #	NP_173160.1
UniProt Primary Accession #	Q9SHH6
UniProt Related Accession #	Q9SHH6

GenBank Nucleotide #	NM_101578.3
NCBI Official Full Name	glutathione S-transferase TAU 24
NCBI Official Symbol	GSTU24
NCBI Official Synonym Symbols	Arabidopsis thaliana Glutathione S-transferase (class tau) 24; ATGSTU24; F20D23.13; F20D23_13; glutathione S-transferase TAU 24; GST
UniProt Protein Name	Glutathione S-transferase U24
UniProt Synonym Protein Names	GST class-tau member 24
Protein Family	Glutathione S-transferase
UniProt Gene Name	GSTU24
UniProt Synonym Gene Names	AtGSTU24
NCBI Protein Information	glutathione S-transferase TAU 24
NCBI Summary for GSTU24	Encodes glutathione transferase belonging to the tau class of GSTs. Naming convention according to Wagner et al. (2002).
UniProt Comments for GSTU24	May be involved in the conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles and have a detoxification role against certain herbicides.
Research Articles on GSTU24	**1.** induced by 4.7-fold in response to 2,6-dinitrotoluene, but uptake rate and tolerance of mutant not significantly different
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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