Tubulin Gamma-1 Chain (TUBG1) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tubulin gamma-1 chain (TUBG1), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Tubulin gamma-1 chain (TUBG1)
Product Gene Name	TUBG1 recombinant protein
Sequence	MPREIITLQV GQCGNQIGME FWKQLCLEHG ISKDGILEDF ATQGGDRKDV FFYQADDQHY IPRALLIDLE PRVINGIQNG DYRNLYNHEN IFVADHGGGA GNNWASGYHQ GKGVEEEIMD MIDREADGSD SLEGFVLCHS IAGGTGSGMG SYLLETLNDR YSKKLVQTYS VFPNQMETSD VVVQPYNSLL TLKRLTLNAD CVVVLDNTAL GRIAVERLHL TNPTFAQTNS LVSTVMSAST TTLRYPGYMN NDLVGLLASL IPTPRCHFLM TGYTPLTVER QANVIRKTTV LDVMRRLLQT KNIMVSSYAR NKEASQAKYI SILNIIQGEV DPTQVHESLQ RIRERKLVNF IEWGPASIQV ALSKKSPYVQ TAHRVSGLML ASHTSIRHLF SKCLSQYDKL RKKQAFLDNY RKFPMFADND LSEFDESRDI IESLVDEYKA CESPDYIKWG MEDPEQLMTG EGNASGVVDP KLAF
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	53,246 Da
Sequence Positions	1-474 , 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 P38557
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TUBG1 recombinant protein	MBS1223252 is a recombinant protein targeting TUBG1. Also known as Recombinant Arabidopsis thaliana Tubulin gamma-1 chain (TUBG1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TUBG1 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 TUBG1. It may not necessarily be applicable to this product.

NCBI GI #	15233174
NCBI GeneID	825338
NCBI Accession #	NP_191724.1
UniProt Primary Accession #	P38557
UniProt Related Accession #	P38557

GenBank Nucleotide #	NM_116030.2
NCBI Official Full Name	gamma-tubulin
NCBI Official Symbol	TUBG1
NCBI Official Synonym Symbols	gamma-tubulin
UniProt Protein Name	Tubulin gamma-1 chain
UniProt Synonym Protein Names	Gamma-1-tubulin
UniProt Gene Name	TUBG1
NCBI Protein Information	gamma-tubulin
NCBI Summary for TUBG1	Required for centrosomal and noncentrosomal microtubule nucleation. Involved in specification of cell identity, such as stomatal patterning. Constitutively expressed throughout plant.
UniProt Comments for TUBG1	Tubulin is the major constituent of microtubules. The gamma chain is found at microtubule organizing centers (MTOC) such as the spindle poles or the centrosome, suggesting that it is involved in the minus-end nucleation of microtubule assembly.
Research Articles on TUBG1	**1.** MPK6 phosphorylates EB1c, but not EB1a, and has a role in maintaining regular planes of cell division under stress conditions.
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