26s Protease Regulatory Subunit 6b Homolog (RPT3) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	26S protease regulatory subunit 6B homolog (RPT3), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana 26S protease regulatory subunit 6B homolog (RPT3)
Product Gene Name	RPT3 recombinant protein
Product Synonym Gene Name	RPT3
Sequence	MASAAVASMV LDPKASPALM DLSTADEEDL YGRLKSLERQ LEFTDIQEEY VKDEQKNLKR ELLRAQEEVK RIQSVPLVIG QFMEMVDQNN GIVGSTTGSN YYVRILSTIN RELLKPSASV ALHRHSNALV DVLPPEADSS ISLLSQSEKP DVSYNDIGGC DIQKQEIREA VELPLTHHEL YKQIGIDPPR GVLLYGPPGT GKTMLAKAVA NHTTAAFIRV VGSEFVQKYL GEGPRMVRDV FRLAKENAPA IIFIDEVDAI ATARFDAQTG ADREVQRILM ELLNQMDGFD QTVNVKVIMA TNRADTLDPA LLRPGRLDRK IEFPLPDRRQ KRLVFQVCTS KMNLSDEVDL EDYVSRPDKI SAAEIAAICQ EAGMHAVRKN RYVILPKDFE KGYRANVKKP DTDFEFYK
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	45,751 Da
Sequence Positions	1-408, 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 Q9SEI4
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RPT3 recombinant protein	MBS1331545 is a recombinant protein targeting RPT3. Also known as Recombinant Arabidopsis thaliana 26S protease regulatory subunit 6B homolog (RPT3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of RPT3 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 RPT3. It may not necessarily be applicable to this product.

NCBI GI #	15237159
NCBI GeneID	835941
NCBI Accession #	NP_200637.1

UniProt Primary Accession #	Q9SEI4
UniProt Secondary Accession #	Q5PNS4
UniProt Related Accession #	Q9SEI4
GenBank Nucleotide #	NM_125214.6
NCBI Official Full Name	regulatory particle triple-A ATPase 3
NCBI Official Symbol	RPT3
NCBI Official Synonym Symbols	26S PROTEASOME AAA-ATPASE SUBUNIT RPT3; MCK7.16; MCK7_16; regulatory particle triple-A ATPase 3
UniProt Protein Name	26S proteasome regulatory subunit 6B homolog
UniProt Synonym Protein Names	26S protease subunit 6B homolog; 26S proteasome AAA-ATPase subunit RPT3; Protein BMAA insensitive morphology 409; Regulatory particle triple-A ATPase subunit 3
Protein Family	Root phototropism protein
UniProt Gene Name	RPT3
UniProt Synonym Gene Names	BIM409
NCBI Protein Information	regulatory particle triple-A ATPase 3
NCBI Summary for RPT3	26S proteasome AAA-ATPase subunit RPT3 (RPT3) mRNA
UniProt Comments for RPT3	The 26S proteasome is involved in the ATP-dependent degradation of ubiquitinated proteins. The regulatory (or ATPase) complex confers ATP dependency and substrate specificity to the 26S complex.
Research Articles on RPT3	**1.** The mutation in bim409 was identified to be in a gene encoding the Proteosomal Regulatory Particle AAA-ATPase-3 (RPT3).
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