26s Protease Regulatory Subunit 7 (PSMC2) Macaca Fascicularis Recombinant Protein

PRODUCT OVERVIEW

Product Name	26S protease regulatory subunit 7 (PSMC2), Recombinant Protein
Full Product Name	Recombinant Macaca fascicularis 26S protease regulatory subunit 7 (PSMC2)
Product Gene Name	PSMC2 recombinant protein
Product Synonym Gene Name	PSMC2
Sequence	PDYLGADQRK TKEDEKDDKP IRALDEGDIA LLKTYGQSTY SRQIKQVEDD IQQLLKKINE LTGIKESDTG LAPPALWDLA ADKQTLQSEQ PLQVARCTKI INADSEDPKY IINVKQFAKF VVDLSDQVAP TDIEEGMRVG VDRNKYQIHI PLPPKIDPTV TMMQVEEKPD VTYSDVGGCK EQIEKLREVV ETPLLHPERF VNLGIEPPKG VLLFGPPGTG KTLCARAVAN RTDACFIRVI GSELVQKYVG EGARMVRELF EMARTKKACL IFFDEIDAIG GARFDDGAGG DNEVQRTMLE LINQLDGFDP RGNIKVLMAT NRPDTLDPAL MRPGRLDRKI EFSLPDLEGR THIFKIHARS MSVERDIRFE LLARLCPNST GAEIRSVCTE AGMFAIRARR KIATEKDFLE AVNKVIKSYA KFSATPRYMT YN
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	48,634 Da
Sequence Positions	2-433, 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 Q4R4R0
Species	Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PSMC2 recombinant protein	MBS1385846 is a recombinant protein targeting PSMC2. Also known as Recombinant Macaca fascicularis 26S protease regulatory subunit 7 (PSMC2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PSMC2 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 PSMC2. It may not necessarily be applicable to this product.

NCBI GI #	544422008
NCBI GeneID	101867279
NCBI Accession #	XP_005550488.1
UniProt Primary Accession #	Q4R4R0

UniProt Related Accession #	Q4R4R0
GenBank Nucleotide #	XM_005550431.2
NCBI Official Full Name	26S protease regulatory subunit 7
NCBI Official Symbol	PSMC2
UniProt Protein Name	26S proteasome regulatory subunit 7
UniProt Synonym Protein Names	26S proteasome AAA-ATPase subunit RPT1; Proteasome 26S subunit ATPase 2
UniProt Gene Name	PSMC2
NCBI Protein Information	26S protease regulatory subunit 7
UniProt Comments for PSMC2	Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair. PSMC2 belongs to the heterohexameric ring of AAA (ATPases associated with diverse cellular activities) proteins that unfolds ubiquitinated target proteins that are concurrently translocated into a proteolytic chamber and degraded into peptides.
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