Proteasome Assembly Chaperone 3 (PSMG3) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Proteasome assembly chaperone 3 (PSMG3), Recombinant Protein
Full Product Name	Recombinant Human Proteasome assembly chaperone 3 (PSMG3)
Product Gene Name	PSMG3 recombinant protein
Product Synonym Gene Name	PSMG3
Sequence	MEDTPLVISK QKTEVVCGVP TQVVCTAFSS HILVVVTQFG KMGTLVSLEP SSVASDVSKP VLTTKVLLGQ DEPLIHVFAK NLVAFVSQEA GNRAVLLAVA VKDKSMEGLK ALREVIRVCQ VW
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	13,104 Da
Sequence Positions	1-122, 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.
OMIM	617528
3D Structure	ModBase 3D Structure for Q9BT73
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PSMG3 recombinant protein	MBS1311471 is a recombinant protein targeting PSMG3. Also known as Recombinant Human Proteasome assembly chaperone 3 (PSMG3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PSMG3 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 PSMG3. It may not necessarily be applicable to this product.

NCBI GI #	197245458
NCBI GeneID	84262
NCBI Accession #	NP_001127812.1
UniProt Primary Accession #	Q9BT73
UniProt Secondary Accession #	A4D216; A8MPW2

UniProt Related Accession #	Q9BT73
GenBank Nucleotide #	NM_001134340.1
NCBI Official Full Name	proteasome assembly chaperone 3
NCBI Official Synonym Full Names	proteasome assembly chaperone 3
NCBI Official Symbol	PSMG3
NCBI Official Synonym Symbols	PAC3; C7orf48
UniProt Protein Name	Proteasome assembly chaperone 3
Protein Family	Proteasome assembly chaperone
UniProt Gene Name	PSMG3
UniProt Synonym Gene Names	C7orf48; PAC3; PAC-3; hPAC3
NCBI Protein Information	proteasome assembly chaperone 3
UniProt Comments for PSMG3	Chaperone protein which promotes assembly of the 20S proteasome. May cooperate with PSMG1-PSMG2 heterodimers to orchestrate the correct assembly of proteasomes.
Research Articles on PSMG3	**1.** we report the identification of a chaperone, designated PAC3, as a component of alpha rings. PAC3 dissociates before the formation of half-proteasomes, a process coupled with the recruitment of beta subunits and hUmp1.[PAC3]
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