

Recombinant Human PSMG3, His-tagged

Cat. No. PSMG3-2820H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PSMG3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. MW = 15.2 kDa(142aa), confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	PSMG3 is a chaperone protein which promotes assembly of the 20S proteasome. This protein may cooperate with PSMG1-PSMG2 heterodimers to orchestrate the correct assembly of proteasomes. It interacts with PSMG4, as well as directly alpha and beta subunits of the 20S proteasome but dissociates before the formation of half-proteasomes, probably upon recruitment of POMP.
Sequences Of Amino Acids	MGSSHHHHH SSGLVPRGSH MEDTPLVISK QKTEVVCVGP TQVVCTAFSS HILVVVTQFG KMGTLSLEP SSVASDVSKP VLTTKVLLGQ DEPLIHVFAK NLVAFVSQEA GNRAVLLAVA VKDKSMEGLK ALREVIRVCQ VW
Purity	> 90% by SDS – PAGE.
Form	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol.
Concentration	0.5 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and

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store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	PSMG3 proteasome (prosome, macropain) assembly chaperone 3 [Homo sapiens]
Synonyms	PSMG3; proteasome (prosome, macropain) assembly chaperone 3; PAC3; C7orf48; MGC10911; proteasome assembly chaperone 3; PAC-3; hPAC3; proteasome assembling chaperone 3; chromosome 7 open reading frame 48
Gene ID	84262
mRNA Refseq	NM_001134340
Protein Refseq	NP_001127812
UniProt ID	Q9BT73
Chromosome Location	7p22.3

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