

Product information



PSMG3, 1-122aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0736

Full name: Proteasome assembly chaperone 3

NCBI Accession No.: NP_115678

Synonyms: PAC3, C7orf48

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. Recombinant human PSMG3 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

<p>Form: Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol</p> <p>Molecular Weight: 15.2 kDa(142aa), confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.5 mg/ml (determined by Bradford assay)</p>	<p>(kDa) 57 40 28 18 13.5 8.5</p> <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p><u>MGSSHHHHH SSGLVPRGSH</u> MEDTPLVISK QKTEVVCVGP TQVVCTAFSS HILVVVTQFG KMGTLVSLP SSVASDVSKP VLTTKVLGQ DEPLIHVFAK NLVAFVSGEA GNRVLLAVA VKDKSMEGLK ALREVI RVCQ VW</p>	

General references:

Shin-Ya K., *et al.* (2010) *J Nat Prod.* 73(4):628-31.

Murata S., *et al.* (2006) *Mol Cell.* 24(6):977-84.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Avoid repeated freezing and thawing cycles.

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