

**PS mg3, 1-122aa, Human, His tag, E.coli**

**Cat.NO.: TP03554**

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3th Edition

**Synonyms:**Proteasome assembly chaperone 3, 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.

**Form:**Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol

**Molecular Weight:**15.2 kDa(142aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMEDTPLVISKQKTEVVCVPTQVVCTAFSSHILVVVTQFGKMGTLVSLEPSSVAS  
DVS KPVLTTKVLLGQDEPLIHVFAKNLVAFVSQEAGNRAVLLAVAVKDKSMEGLKALREVIRVCQVW

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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. Avoid repeated freezing and thawing cycles.