

**PSMG2, 1-264aa, Human, His tag, E.coli**

**Cat.NO.: TP03584**

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3th Edition

**Synonyms:** Proteasome assembly chaperone 2, CLAST3, HCCA3, HsT1707, PAC2, TNFSF5IP1.

**Description:** PSMG2, also known as proteasome assembly chaperone 2, promotes assembly of the 20S proteasome as part of a heterodimer with PSMG1. The PSMG1-PSMG2 heterodimer binds to the PSMA5 and PSMA7 proteasome subunits, promotes assembly of the proteasome alpha subunits into the heteroheptameric alpha ring and prevents alpha ring dimerization.

**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.1M NaCl

**Molecular Weight:** 31.8 kDa (287aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMFVPCGESAPDLAGFTLLMPAVSVGNVGLAMDLIIISTLNMSKIGYFYTDCL  
VPMVGNNPYATTEGNSTELSLNAEVYSLPSRKLVALQLRSIFIKYKSKPFCEKLLSWVKSSGCARVIVLSSSHSYQRN  
DLQLRSTPFRYLLTPSMQKSVQNKIKSLNWEEMEKSRCEIDDSEFCIRIPGGGITKTLYDESCSKEIQMAVLLKFVS  
EGDNIPDALGLVEYLNEWLQILKPLSDDPTVSASRWKIPSSWRLLFGSGLPPALF

**Purity:** > 95% by HPLC

**Concentration:** 0.25 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.