

Recombinant Human Proteasome (prosome, macropain) Assembly Chaperone 2, His-tagged

Cat. No. PSMG2-6863H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PSMG2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography. MW: 31.8 kDa.
Species	Human
Source	E.coli
ProteinLength	1-264aa
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 Mass	31.8 kDa (287aa), confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMFVPCGE SAPDLAGFTL LMPAVSVGNV GQLAMDLIIS TLNMSKIGYF YTDCLVPMVG NNPYATTEGN STELSINAEV YSLPSRKLVA LQLRSIFIKY KSKPFCEKLL SWVKSSGCAR VIVLSSSHSY QRNDLQLRST PFRYLLTPSM QKSVQNKIKS LNWEEMEKSR CIPEIDDSEF CIRIPGGGIT KTLYDESCSK EIQMAVLLKF VSEGDNIPDA LGLVEYLNEW

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	LQILKPLSDD PTVSASRWKI PSSWRLLEFGS GLPPALF
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	0.25 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	PSMG2 proteasome (prosome, macropain) assembly chaperone 2 [Homo sapiens]
Official Symbol	PSMG2
Synonyms	PSMG2; proteasome (prosome, macropain) assembly chaperone 2; PAC2; HCCA3; CLAST3; MDS003; HsT1707; TNFSF5IP1; proteasome assembly chaperone 2; PAC-2; HSPC260; HDCMC29P; x 003 protein; proteasome assembling chaperone 2; CD40 ligand-activated specific transcript 3; hepatocellular carcinoma susceptibility protein; hepatocellular carcinoma-susceptibility protein 3; tumor necrosis factor superfamily member 5-induced protein 1; tumor necrosis factor superfamily, member 5-induced protein 1; likely ortholog of mouse CD40 ligand-activated specific transcript 3 (Clast3); MGC15092; proteasome assembly chaperone 2
Gene ID	56984
mRNA Refseq	NM_020232
Protein Refseq	NP_064617

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MIM	609702
UniProt ID	Q969U7
Chromosome Location	18p11.21
Function	protein binding

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