Recombinant Human Proteasome (Prosome, Macropain) Assembly Chaperone 4, His-tagged

Cat. No. PSMG4-4748H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PSMG4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	Proteasome assembly chaperone 4, also known as PSMG4, is a chaperone protein which promotes assembly of the 20S proteasome. It interacts with PSMG3, 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 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl
Molecular Weight	15.9 kDa (143aa), confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MEGLVVAAGG DVSLHNFSAR LWEQLVHFHV MRLTDSLFLW VGATPHLRNL AVAMCSRYDS IPVSTSLLGD TSDTTSTGLA QRLARKTNKQ VFVSYNLQNT DSNFALLVEN RIKEEMEAFP EKF

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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.

GENE INFORMATION

Gene Name	PSMG4 proteasome (prosome, macropain) assembly chaperone 4 [Homo sapiens]
Official Symbol	PSMG4
Synonyms	PSMG4; PAC4; C6orf86; bA506K6.2; proteasome assembly chaperone 4; PAC-4; hPAC4; OTTHUMP00000015962; OTTHUMP00000015963; OTTHUMP00000221165; proteasome (prosome, macropain) assembly chaperone 4; chromosome 6 open reading frame 86; OTTHUMP00000221166; OTTHUMP00000221167
Gene ID	389362
mRNA Refseq	NM_001128591
Protein Refseq	NP_001122063
UniProt ID	Q5JS54
Chromosome Location	6p25.2

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