

Product datasheet for **SC320235**

PSMG1 (NM_003720) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PSMG1 (NM_003720) Human Untagged Clone
Tag: Tag Free
Symbol: PSMG1
Synonyms: C21LRP; DSCR2; LRPC21; PAC-1; PAC1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003720.2
 CGGTCCGGCGGCTGCAGTTGTGCCAGCCGGTCACGGGGCGGCTATGGCGGCCAGGTT
 CTTCCGGAGAGGTGGTGAAGGCGCCGTGCCGAGCTGGGACTGAGGACGAAGAGGAGGAGGA
 GGAGGGGCGGAGGAGACGCCCGAGGACAGGGAGGTGCGTCTGCAGCTGGCGCGGAAGAG
 GGAAGTGC GGCTCCTTCGAAGACAAACAAAAACATCTTTGGAAGTTTCTTTGCTAGAAAA
 ATATCCGTGCTCCAAGTTTATAATTGCTATAGGAAATAATGCAGTAGCATTCTGTGATC
 ATTTGTTATGAATTCAGGAGTCTGGGAGGAAGTTGGTTGTGCTAAACTCTGGAATGAATG
 GTGTAGAACAACAGACTACACATCTGCTCCACAGAGGCTTTTTGTGTGTTTATCA
 TCTAAAATCCAATCCCTCGGTTTTCTCTGTGAGTGCAGTTGCTATGTTGCAGAAGATCA
 ACAGTATCAGTGGCTGGAAAAGTTTTGGCTCTTGCCAAGGAAGAACATGCAGATAAC
 TATTCTCACATGTCGACATGTTACCGATTATAAACCTCAGAATCCACCGGCAGCCTTCC
 TTCTCCTTTCTGAGAGCCCTAAAAACACAGAATTTCAAAGACTCGGCGTGTGTCCATT
 GCTAGAACAAACCGAATATAGTACACGACCTTCTGCAGCAGTTCTAAGCTACTGTCAAGT
 ATGAAAAATCCCGCAATTCTGTACTTGTGTTATACTGATGTGATGAAATTAGACCTAAT
 CACAGTGGAAAGCTTTTAAGCCTATACTTTCTACCAAGCCTTGAAGGGTTTGGTTAAGAA
 TATTCCTCAAAGCACTGAGATACTAAAGAAATTGATGACAACAAATGAGATTCAGAGTAA
 CATTTATACATGATCTTAAACATTGTTTTGTAGTGTATATTACTGTCCATTCTTTAAG
 GGGAGCAGCCTGCACTCTTTTGTAGATTACTTTGGGGGATATATTTTGAAGATGATGAA
 ACGGAATAAAATTGTAATAAACTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_003720



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_003720.2 , NP_003711.1
RefSeq Size:	1146 bp
RefSeq ORF:	867 bp
Locus ID:	8624
UniProt ID:	O95456
Cytogenetics:	21q22.2
Gene Summary:	<p>Chaperone protein which promotes assembly of the 20S proteasome as part of a heterodimer with PSMG2. 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.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).</p>