

Product datasheet for **SC105535**

PSMG3 (NM_032302) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSMG3 (NM_032302) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSMG3
Synonyms:	C7orf48; PAC3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_032302 edited

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GAATTCGGACGAGGGTGATCACGGCTCACCGCAGCCTCGACCTCCCGGGCTGAAGCGATC
TTCCCGCCTCAGCCTCCTGAGTAACGGGACCACAGGCGGCCCTGCTGGTTTTTTTTTTT
TTTTTTTTTTTGGTAGAGATGGGGGTCTCGCTATGTTGGCCAGGCTGGTCTCGAATTCCT
GGCCTCAACGATCGTCTGTCTCGGCCTCCCAAAGTGCCGGGATGACAGGCATGAGCCAC
CGCGCCTGGCCCCCTTCTTTGAATGGGCCTCCTTGCGTTTCCGTTTCAATGCCCGTGCT
ACTTTTTTGGGAGCCCCAAGGCTGTAAGTTGATTGACTCCTTTTTTCCCTTTCTTT
TTAACCTAAATTAAGCTGCCACTGCAGAGCCCCGCCATGGAAGACACGCCGTTGGTGAT
ATCGAAGCAGAAGACGGAGGTGGTGTGCGGGTCCCCACCCAGGTGGTGTGTACGGCCTT
CAGCAGTCACATCCTGGTGGTGGTGACCCAGTTTGGGAAGATGGGCACCCTGGTCTCCCT
GGAGCCCAGCAGCGTGGCCAGTGACGTACGAAGCCTGTGCTCACCACAAAAGTCCTTCT
GGGGCAGGATGAGCCTCTCATCCATGTCTTTGCAAAGAACCTGGTAGCGTTTGTGTCTCA
AGAAGCTGGAACAGAGCAGTCCTCCTCGCCGTGGCCGTGAAGGACAAAAGCATGGAGGG
GCTGAAGGCGCTGAGGGAGGTGATCCGGGTGTGCCAGGTGTGGTGACCTGGAGGCAGCCG
CCCCGCGTGCTCAGCAGGACACGTGAACACCCAGACCCCACTCAGGGACTCAAGTCTC
ACCTCCCTCCCCGGTGGAGGGAGGAACCTTGGCACTAGCCCTTGGAGCCAGGAAAAAAGA
CTCGTGTCTCAGGCAGACTCTTACTCTGGTTACTAAGATCATCTGTGCATGACGGGGAGG
GTGGAACAGGTCCCGGAGGAGTCGTGAATGGTTCTCACCAGGACCTGAATCGTTGCTTGT
GTTTGAGAATTGGAGGAATGAGTCAGCAGGCGTGGCTCATGGCCCCCGGTGTGCAGGAT
CAATTGTAGGAGAAATTTCTTTTTTATTAAGCGAATGTGTATCCCAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATCGAC
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032302 unedited <pre> TTTGTATACGACTCATATAGGCGGCCGGAATTCGACAGGGTGATCACGGCTCACCGCAG CCTCGACCTCCCGGGCTGAAGCGATCTTCCCGCTCAGCCTCCTGAGTAACTGGGACCAC AGGCGCGCCCTGCTGGTTTTTTTTTTTTTTTTTTTTTTGGTAGAGATGGGGGTCTCGCTAT GTTGGCCAGGCTGGTCTCGAATTCCTGGCCTCAACGATCGTCTGTCTCGGCCTCCCAAA GTGCCGGGATGACAGGCATGAGCCACCGCGCTGGCCCTTCTTTGAATGGGCCTCCTT GCGTTTCCGTTTCAATGCCCGTGCTACTTTTTTGGGAGCCCCAAGGCTGTAAGTTTGA TTGACTCCTTTTTTCCCTTTCTTTTTAACCTAAATTAAGCTGCCACTGCAGAGCCCC GCCATGGAAGACACGCCGTTGGTGATATCGAAGCAAAAAACGGAGGTGGTGTGCGGGGTC CCCACCCAGGTGGTGTGTACGGCCTTCAGCAGTCACATCCTGGTGGTGGTGACCCAGTTT GGGAAGATGGGCACCCTGGTCTCCCTGGAGCCCAGCAGCGTGGCCAGTGACGTCAGCAAG CCTGTGCTCACCACAAAAGTCTTCTGGGGCAGGATGAGCCTCTCATCCATGTCTTTGCA AAGAACCTGGTAGCGTTTGTGTCTCAAGAAGCTGGAAACAGAGCAGTCTCCTCGCCGTG GCCGTGAAGGACAAAGCATGGNAGGGCTGAANGCGCTGAAGGAGGTGATCCCGGTGTGCC AAGTGTGGTGACCTGGGAGCAGCCGNCCTGCGCTGCTCANCAGGAACGTGAACCCAGAC ACCACTCAGNACTCAGTCTCACTTCTCCCGGGGAGGAGAACTTTGCACTTACCT </pre>
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_032302 unedited <pre> CGCTAGGGGGCTCTTGCTATGTTGGACCGGCTGGCTACAGTTGTTTGTGCTCCGGAGGGG CCATGAGCGCCGCTGCTGACTATTCTACAGTTCTGAAACACACGCGCCGTTTCAGGT CCTGGGGATGAACATTACGACTCTCCGGGACCTGTTCCACGCCTCTCCGTTGTGCAC AGATGAGCTTAGCTGCCAGAGTGAGCAGTCTGCCTGACACACGATTCTTTTTTCTGGCT ACAATGGCTATGGCCAAAGTTGCTCTGTACAACGCGGAGGGAGGGGAGACTTGACTCCCT GAGTGGGTGTCTGGGTGTGCACGTGTCTGCTGAGCAGCGCGGGGCGGATGACTCACAGT CACCACACCTGGAACACCCGGGTACCTTCGTACCCGTCTTCATCCTGTACATGCTTTTG TGCTTCACGGACACGGCGAGGAGGACTGCTATGATTACAGCTCTTTGAGACACAGACGCT ACCATGATCTTTGCATAGACATGGATGATAGGCTCATCTGGCCTAAAAAGACTTTTGAG GTGAGCACACGCTTGCTGACGTCACTGGACGCCCTGCTGTGCTCCAGGGTGACCAGGTG CCCATCTTGCCAAACTGGGTACCACCACCAGAATGTGACTGTGAAGGCCGTAATCACC ACCTGGGCGCGGACACAGCCACCACCTACGTATTNTGTTATGATTAACTAACTGCGTGTC TTACATAGGAGCGCTCTGCATAGGCTCTGACTNTAGTTAAGATCATGGCGAAGCAAGT AGTATCTGGCTCACAGACTTGGTGTCTGACAAGTAGCAGGACATTGACCGGAGACCAA GATGCGCATCAAAGAACGACAGCGCGTGGCTATGCATGTATGCAGACTTGGAGAGCGTC AGGCCCACGTGTGCAGGTATCGTACAGCTGTCACTTCTGACCGATGGTACCNAANAANA NACAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_032302
Insert Size:	1080 bp
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).
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:	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:	<u>NM_032302.2, NP_115678.1</u>
RefSeq Size:	1408 bp
RefSeq ORF:	369 bp
Locus ID:	84262
UniProt ID:	<u>Q9BT73</u>
Cytogenetics:	7p22.3
Gene Summary:	Chaperone protein which promotes assembly of the 20S proteasome. May cooperate with PSMG1-PSMG2 heterodimers to orchestrate the correct assembly of proteasomes. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.