

Product datasheet for **SC100799**

SMG5 (NM_015327) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMG5 (NM_015327) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMG5
Synonyms:	EST1B; LPTS-RP1; LPTS-RP1; SMG-5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100799 sequence for NM_015327 edited (data generated by NextGen Sequencing)

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ATGAGCCAAGGCCCCACAGGGGAGAGCAGCGAGCCGAAGCAAAAGTCTCCACACT
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Clone variation with respect to NM_015327.2
1311 t=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015327 unedited
NGTCTTACCCGCCCGTTGCCGAATGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAA
GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCG
CGAATTCGGCACGAGGGCCTCACAGCGATGGCGGCCGAGCAGGGCCGTTGGCGGCGCGG
CTGCGGTACGGCCGGAGACGGCAGTGTGGCGGTAGTGGTGGTGGCAGGGGCTGTGA
CCGGGAGCTGCCCCGGACCCGGGCACCATGAGCCAAGGCCCCCCACAGGGGAGAGCAG
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AAACATTAGCCTGAGGAACAAGCTGCGTGAGCTCTGCGTCAAGCTTATGTTCTGCACCC
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CCCCCATCTGCTTCCCGCCATTCTCTCCCCCGGTGCCACTCCTCTTATCGCCCCC
CTTCTCACTCTCCCCCGCTCGCCCTCT

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_015327 unedited <pre> NTTTTGTAGCTNTGGNACCGCGGCCGCATNCTAGNGATCGGTTTTTTTTTTTTTTTTTTGG GCTTGGGGGGTTTATTAAGTGATGCTTTAGTCTCAGTCTCTGCCAGCAACTGGGAGTGGG GTGACTCCACTCACCCAGATTTCCAGACTTGCTATTTTAGAGGAGAGAGGCAGGAAGC CAACTATCCTCTAAGCCACAGCTTGGGAAGCTAGGCTAGTACTGGGTGGGGCAGCAGA GCTGAGACCTCCACCCGAGCCCTAGCCTGTGCTATCCTCCAGCCTGAGGGGAGGA GCTGAGGCAATCCTGGCTGCAGCCTCCACACACAGCCCTGCTCTTGGTGCGCCATTAC TGCCCTGAGCTATTCATGATCTCTGCTCCAGATATTCACCTCAACACTCCAAAAGCCAG CCCCTTCAGGTCTTCAGTCTGCGGAAGGCAAAAGGAGGACGGGGGCCTCTGACTGAGC AGCTTCAAGGAGCCTCTCCTTTCTGCTGCCACTGAATGCCGGCCCTTGTCTTCAGCCC TCCCTTAGATAGGAAAGGGGTGGGTGGCTCAGACTGCACCCNCTTTCTCTCTTCTG GCATCCCATTTGTCCCAGCACAGCAGCAAGAGCACANAGCACAGCACCTGTGGGGCT GGTGGGCACAGGAGACCTGTGCTGGCACAGGCCAGACTGCCTGCAGCCCTAGTGGGGCT GGCTCCTGCCCTGGNAGCTAGACAGAGGAGACACAAAGCAGAAGTGGGCAATGGGATG TGCCAGCCCTGCAGCAGGAGGAGGCCACGACCCTGACCTGCTACTCGGTGCAGGCAC TNCAGGCCTTGCTCTCTACAGCCCTGGTGTGGCTCCCAAGCTGCTGGTCCCCATAAGG GGGCTGAAGGAGAAGGGTAAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_015327
Insert Size:	5000 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_015327.1</u> , <u>NP_056142.1</u>
RefSeq Size:	4578 bp
RefSeq ORF:	3051 bp
Locus ID:	23381
UniProt ID:	<u>Q9UPR3</u>
Cytogenetics:	1q22
Domains:	PINc

Gene Summary: SMG5 is involved in nonsense-mediated mRNA decay (Ohnishi et al., 2003 [PubMed 14636577]).[supplied by OMIM, Mar 2008]