

Product datasheet for SC211728

SMG7 (NM_201569) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SMG7 (NM_201569) Human 3' UTR Clone
Symbol:	SMG7
Synonyms:	C1orf16; EST1C; SGA56M
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_201569
Insert Size:	1020 bp
Insert Sequence:	>SC211728 3'UTR clone of NM_201569 The sequence shown below is from the reference sequence of NM_201569. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTTTGGAAGAGACGAAAGAAAGGAAAATAACTCTTTGTATGATATTTATTAGGAGGAAAGAGGACTGA
AAATGTTCTTGTGTAGAAACAGAAGGACAGCATTCTGTTAGTCATTTCTGGAAAAGTAATATTTTAA
GGGAAATATGAAAACAATCTAATTGTTCAATTGCTGTGCTAGTGGTAGGGTTATTTTCTGGGAGGT
CTCTCCTTGTGTGTCTGTATGTTTGTGTACACACACGTGCCATCTGCTGTCCCAGAGGGGAGGGGTT
GTGTGTGCGAGTGTATGGAGTTAGTGTGGAACCTAAGAGCTGGAAGACAGCTGTAGAGCAAAGCACATC
CAGGAGCCCCAGTTGTCAGTCTGGGCAACCCAGCAATGAAAAGGGGTGAGATAACGCTCATTG
CTCTTCAGAGAGAGTGGTTGGAGCCCCCCCCCGCCCGTATGCTTACATTATTGCTCTTTTGTGTTGACA
TGGTGTGGGTTTTGTTTTTTTGAAGGTCTGAAAAGGTGAAGCCCCCTACCAATGGCAATATGAAA
CCTTTTGTGCTTCTTTCAGCCCCTCCCTGTGTCCACCTTCTCTCCTTCCCAAGCCTTTTCCCTA
CTACCTTACCAGTTTGTGTGTTGAGCTCTGCATTAGGCAGCTGCAACATCCAGTGTGTTGAACTG
TCACTGATTCTTGCGCCCTAGACAAGCTAACCAGGTTTACCATCTCACTCCAGTAATACCAGCTCCT
ATCTAAAGCCCCATTCTGCATGAGAATTTGGTGTGTTGGAATGTTTCTGACTTTGGGGCGGGATTCCCT
CGCCTTATCATCCTCACTGTGGAGTAATGAGGGGAGGAGAATCTTTATCAGAAACTGGTTTTGTGTAG
TAAACTTCTTTTGTGGTTTTTTGTTTTGTTTTCTGGGTTTTGTTTTGTTTTGTTTGTCTGTGCAAGACC
TGCAGTCTGTAATAACGCTTTGCCTTAATTAACCATGTTCTCTCCAACCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG

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Restriction Sites: SgfI-MluI



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_201569.3
Summary:	This gene encodes a protein that is essential for nonsense-mediated mRNA decay (NMD); a process whereby transcripts with premature termination codons are targeted for rapid degradation by a mRNA decay complex. The mRNA decay complex consists, in part, of this protein along with proteins SMG5 and UPF1. The N-terminal domain of this protein is thought to mediate its association with SMG5 or UPF1 while the C-terminal domain interacts with the mRNA decay complex. This protein may therefore couple changes in UPF1 phosphorylation state to the degradation of NMD-candidate transcripts. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Aug 2011]
Locus ID:	9887
MW:	37.8