

Product datasheet for **SC309100**

SMG1 (NM_015092) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SMG1 (NM_015092) Human Untagged Clone
Tag: Tag Free
Symbol: SMG1
Synonyms: 61E3.4; ATX; LIP
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_015092, the custom clone sequence may differ by one or more nucleotides

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 GTGTGA

Restriction Sites:	Please inquire
ACCN:	NM_015092
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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).</p>
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:	<u>NM_015092.3</u> , <u>NP_055907.3</u>
RefSeq Size:	15739 bp
RefSeq ORF:	10986 bp
Locus ID:	23049
UniProt ID:	<u>Q96Q15</u>
Cytogenetics:	16p12.3
Domains:	PI3_PI4_kinase, FATC
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>This gene encodes a protein involved in nonsense-mediated mRNA decay (NMD) as part of the mRNA surveillance complex. The protein has kinase activity and is thought to function in NMD by phosphorylating the regulator of nonsense transcripts 1 protein. Alternatively spliced transcript variants have been described, but their full-length nature has yet to be determined. [provided by RefSeq, Mar 2013]</p>