

Product datasheet for RC224277

SMG1 (NM_015092) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SMG1 (NM_015092) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SMG1
Synonyms: 61E3.4; ATX; LIP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC224277 representing NM_015092
 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC224277 representing NM_015092
 Red=Cloning site Green=Tags(s)

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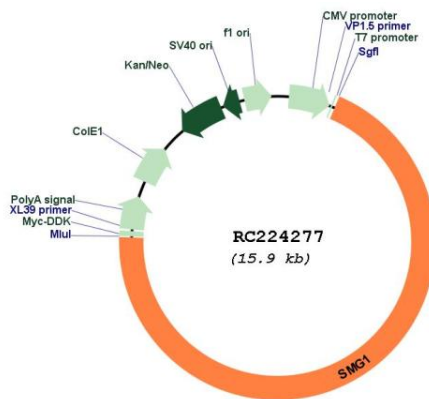
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Restriction Sites:

Sgfl-MluI

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_015092.4</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
MW:	410.3 kDa
Gene Summary:	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]

Product images:



Circular map for RC224277