

Product datasheet for **SC123717**

C19orf61 (SMG9) (BC008869) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C19orf61 (SMG9) (BC008869) Human Untagged Clone
Tag:	Tag Free
Symbol:	C19orf61
Synonyms:	C19orf61; F17127_1; HBMS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for BC008869 edited
 ATCTCAGCTCGGGCCCGGTTACATCCTCCTCTTCTTCTTCGGCCAGCTTTCTCT
 AGGGGCTGCAACCCGACGCCGAGGCGGTTTCGAGTGGGGAGTGCCATTTTCTCTCC
 TTCCCACGTTCTGGCCCCCAGACGCCATTTGCAGGCGGGTGGCTTGGGTGAGCTCCCC
 GCCCCACCCGACTCCCGTCACGGGAGAGCGCACACCGCGCCCGAGAACCAATCAGCAG
 CCGCGTTAGGTAACCATGTCTGAGTCTGGACACAGTCAGCCTGGACTCTATGGGATAGAG
 CGCGCGGACGGTGGAAGGAGCCTGGCTCTGGTGGCCCCCAGAATCTCTCTGGGCTGGT
 GGTCGGGAGAGGGACTACATTGCACCATGGGAAAGAGAGAGAAGGGATGCCAGCGAAGAG
 ACAAGCACTTCCGTCATGCAGAAAACCCCATCATCTCTCAAAACCTCCAGCAGAGCGG
 TCAAAACAGCCACCACCTCCAACAGCCCTGCTGCCCGCCTGCTCCAGCCCTCTGGAG
 AAGCCCATCGTTCTCATGAAGCCACGGGAGGAGGGGAAGGGGCTGTGGCCGTGACAGGT
 GCCTCTACCCCTGAGGGACCGCCCCACCACCCCTGCAGCCCTGCGCCACCAAGGGG
 GAGAAGGAGGGGAGAGACCCACACAGCCTGTGTACCAGATCCAGAACCAGGGGCATGGGC
 ACTGCCGACACGAGCCATGGACCCTGTCGTGGGTGAGGCCAACTACTGCCCCAGAG
 CGCATGAAGCACAGCATCAAGTTGGTGGATGACCAGATGAATTGGTGTGACAGTGCCATC
 GAGTACCTGTTGGATCAGACTGATGTGTTGGTGGTGGTGTCTGGGCCTCCAGGGGACA
 GGCAAGTCCATGGTCATGTCAATTGTTGTGAGCCAACTCCAGAGGAGGACCAGAGGACT
 TATGTTTTCCGGGCCAGAGCGCTGAAATGAAGGAACGAGGGGCAACCAGACAGTGGC
 ATCGACTTCTTTATTACCAAGAACGGATTGTTTTCTGGACACACAGCCCATCTGAGC
 CTTTCTATCCTAGACCATCTCATCAATAATGACCGCAAATGCCTCCAGAGTACAACCTT
 CCCCACACTTACGTTGAAATGCAGTCACTCCAGATTGCTGCCTTCTTTTACGGTCTGC
 CATGTGGTGATTGTTGTCCAGGACTGGTTCACAGACCTCAGTCTCTACAGTTCTGTCAG
 ACAGCAGAGATGGTGAAGCCCTCCACCCATCCCCAGCCAGAGTCCAGCAGCTCATCG
 GGCTCCGATGAAGGCACCGAGTACTACCCCACTAGTCTTCTTGCAAGCAAAAGCTCGC
 CGAGAGGACTTCTGCTCGGAAGCTGCGGCAGATGCACCTGATGATTGACCAGTCTATG
 GCCCACTCCACCTGCGTTACAAGGGAATCTGTCCATGTTACAATGCAATGTCTTCCG
 GGGCTTCCACCTGACTTCTGGACTCTGAGGTCACTTATTCTGGTACCCTTCATGGAC
 AGTGAAGCAGAGAGTGAACCCACCAAGAGCAGGACCTGGTTCCAGCCCACTCTTCTCC
 CTGCTGCCTGGGTATCGTGGCCACCCAGTTTCCAGTCTTGGTGAAGCTCCGGAGC
 CAAGTGATGTCCATGGCCCGGCCACAGCTGTACACACGATCCTACCGAGAAGAACTGG
 TTCCACTACGCTGCCCGATCTGGGATGGGGTGAGAAAGTCTCTGCTCTGGCAGAGTAC
 AGCCGCCTGCTGGCTGAGGCCAAGGAGAGGAATGTCATGCAGGGGACCTCTGGGTCCG
 CAGTGTACTGCGAGGGAGCACAGATGTCCATCCCCGCTGGGGTGAGAGCGGCAGCAGG
 CCTGATGGATGAGGGATCGTGGCTTCCCGGCCAGAGACATGAGGTGTCCAGGGCCAGGC
 CCCCCACCCTCAGTTGGGGCTGTTCCGGGGGTGACTGTGAGCGATCCCACCCAAACCTG
 AGATGGGGTAGCCCGTCTGTGCTCTCCACAGGACAAGCAGTGGGAGGAGTCTGAATGG
 TCACCAGGAAGCCCGGCTCCATCTTGACCTCTTTTTCAGGGACAGGAGCAACAGGCC
 CTCTTCCCTGACTCTAAGCCCTTCCCTGTAAGGTGAGGCAGGGTCTGGAGAGCTTTTAT
 TGAACAGATCTGGTGGTTCAAATAAACACAGTCATGCAAAAAAAAAAAAAAAAAAAAAA
 AA

5' Read Nucleotide Sequence:	>OriGene 5' read for BC008869 unedited <pre> NAAGTTACATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGATCTCAG CTCGGGCCCGCTTACATCCTCCTCTTCTTCTTCTCGGCCATCTTTCCTTAGGGGCT GCAACCCGAGCCGAGGCCGTTTCGGAGTGGGAGTGCCATTTCTCTCCTTCCCAC GTTCTGGCCCCAGACGCCATTTGCAGGCGGGTGGCTTGGGTACGCTCCCCGCCCA CCCGACTCCCGTCACGGGAGAGCGCACACCGCGCCCCGAGAACCAATCAGCAGCCGCTT AGGTAACCATGTCTGAGTCTGGACACAGTCAGCCTGGACTCTATGGGATAGAGCGCGGC GACGGTGAAGGAGCCTGGCTCTGGTGGCCCCAGAATCTCTCTGGGCCTGGTGGTCGGG AGAGGGACTACATTGCACCATGGGAAAGAGAGAGAAGGGATGCCAGCAAGAGACAAGCA CTTCCGTCATGCAGAAAACCCCATCATCTCTCAAAACCTCCAGCAGAGCGGTCAAAAC AGCCACCACCTCCAACAGCCCCTGCTGCCCCGCTGCTCCAGCCCCTCTGGAGAAGCCCA TCGTTCTCATGAAGCCACGGGAGGAGGGGAAGGGGCTGTGGCCGTGACAGGTGCCTCTA CCCCTGAGGGACCGCCCCACACCCCCTGCAGCCCCTGCGCCACCAAGGGGGATGAGG AGGGGCAGAGACCCACACAGCCTGTGTACCAGATCCAGAACCGGGGCATGGGCACTGCCG CACCAGCAGCCATGGACCCTGTCGTGGGTGATGCCAACTACTGCCCCAGAGCGCATGA AGCACAGCATCAAGTTGGTGGATGACCAGATGAATTGGNTGTGACAGTGCCATCGAGTAC CTGTTT </pre>
Restriction Sites:	Please inquire
ACCN:	BC008869
Insert Size:	2291 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:	BC008869.2 , AAH08869.1
RefSeq Size:	2282 bp
Locus ID:	56006
Cytogenetics:	19q13.31

Gene Summary:

This gene encodes a regulatory subunit of the SMG1 complex, which plays a critical role in nonsense-mediated mRNA decay (NMD). Binding of the encoded protein to the SMG1 complex kinase scaffold protein results in the inhibition of its kinase activity. Mutations in this gene cause a multiple congenital anomaly syndrome in human patients, characterized by brain malformation, congenital heart disease and other features. [provided by RefSeq, Jul 2016]