

Product datasheet for **SC216112**

SMCR7 (MIEF2) (NM_001144900) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SMCR7 (MIEF2) (NM_001144900) Human 3' UTR Clone
Symbol:	SMCR7
Synonyms:	COXPD49; MID49; SMCR7
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001144900
Insert Size:	2000 bp



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Insert Sequence:	>SC216112 3'UTR clone of NM_001144900 The sequence shown below is from the reference sequence of NM_001144900. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CTGCTGGGCCGTGCGCAGGACGCAGCTTGAAGTTCTGCCCCGTGGGAGCAGCCCCTGGGACCGCTTCTCT GGTCGGGGGTACCTCTCTCCCGCTGCTGCTGAGCTACTCCGCAAGCGCTGGCTGCTTCTGTCAA CTGGCCGGCCATTGGCAGCCTTCTCGGGTGCCTGATCCGCCCCAGCATGGCCTCGGAGGAGCTGCTGCT CGAGGTGCAGCACGAACGCCTGGAGCTCACTGTGGCTGTGCTTGTGGCAGTCCCTGGGGTCGATGCTGA CGACCGCCTCTCTTGGCTGGCCCTGGAGGGGTGGCGGGGAACCTCTGGCTGCAGGACCTGTATCC AGTGGAGGCTGCTAGGCTGCGAGCCCTGGACGACCATGACGCTGGGACTCGCCGGCGGCTGCTGCTGCT GCTGTGTGCTGTCTGCCGTGGTGTCTCGGCTCTGGGCGAGCTAGGCCGGGGTACCTGACCCAGGTGGT CCTGCGTCTGGGGGAGGACAACGTGGATTGGACGAGGAGGCCTTGGGTGAGCGCTTCTGCAAGCCCT GGAGCTGCTCATCGGCAGCCTGGAGCAGGCCAGCCTGCCCTGCCACTTCAACCCAGCGTGAACCTCTT CAGCAGCTTGCCTGAGGAGGAGATTGACGACATTGGCTATGCGCTATACAGTGGCTACAGGAGCCCGA GGGGTGTCTAGGTGGGTGAAACGGGTGGTGGCATGTTTTCTAATGTGGGAGCTGCACCCACCT CCCTTCCAGGGATTTGAATAGTGGTTTTCTCTAGCTTTTTGCCAGAACAAAGGAGGGTACATTACTTA AACCCAGGGCATCAGGATGTGCTTGGGCTATGGTGGCCATAAACCTGAGCCAGAGAGCTTGGGTAC TGTCACCTGAGTGCAGCTGGGCTGCCTCAGGCAGCTTGGAGTGCCAGCCATTCTGCAAGCACCGTTTC AGCTCTTGGGGCAACCCAGGACCTTTGGCTCTGTCCATCACCAGCAACCAATCCACCAACAGAATGT GGTTTCTGCCATCCTGGGCAGAGCTGAAGGCCAGCTTACATTTCTGCTGAGAGAAGGTGACTTAACG CCTTTTCCGGCCCTAGCTCCAGGCGTTTTGAGGCGTCTGGTGCCTGATGGTAGGTATGGTGTGTTGTT CTGTCCCCAGGGCTGGAGTCACTGGTGCCTGAAGGACAGATTTTTGGCTGTTAAAGGATGTCAT TTTCTGTGTCTTCTGTGCGTTTAGTTTTCTTGTGAGCGGGAGCTCAGTATGACTTGCCACCCACCT GATACCTCAGGGCAAGGCCCTTTTTCCCTCCAGCCAGGTGAGTGTCTTCCAGGCAGCTGAGGGTCTT GGGGGAGCTGAGGCTCTGTGCTGCACCCCCAGCCACAGCTGGGGCATCTCACTGGAGCTGTTCCAGGC CCCACTGGAGAGCAGAGGACCTGATCCCCACTAGAGAGGTCCGGTGTGCACAGCCGGCCTCCAGTGT GCCAAATGAAGTCTCTCAGCTGATGGCTGTATTCTGACTTTGAAGCCTGTTAAGAGGTAGCAAGGGG GCTAGAGGAGGGAGATTCCACCTCCCCTCCAAGTACCTCCTCTGCCTCTGGTATCCTTCTCTTTTG AAACGAAGCTCAGCTTCGAAGATGTGAACAAGAATAAAAGGAAAAAATTCTAATGTATATAAAGTCA GCTGGATAAGGGAGTCTTGGTGTCTTATACGCAGCTGTTGAGGGTTTTCTGTAAGTCTGTGGCTGT CCTGGCACTTTGGCAAGAGTGTGAGGTCAATTGGAGGTGGTAGAGTTACTTTAAAAAGTAGCATCT TGGCCGGGTGTGGTGGCTCGCATCTGTAATCCCAGCACATCGGGAGGCCGAGGCGGGCGGATCACGAGG TCAAGAGATCGAGACCATCTGACCAACATGATGAAACCCCACTCTACTAAAAAGACAAAAATTAGC ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
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:	<u>NM_001144900.3</u>

Summary:	This gene encodes an outer mitochondrial membrane protein that functions in the regulation of mitochondrial morphology. It can directly recruit the fission mediator dynamin-related protein 1 (Drp1) to the mitochondrial surface. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2011]
Locus ID:	125170
MW:	70