

Product datasheet for **SC126065**

TMEM102 (NM_178518) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM102 (NM_178518) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM102
Synonyms:	CBAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_178518 edited
GTGGGCATCAGGAAGAAGTAACCTGTTGAATCTATTTCTGCTCCCCACCCTTACTGCTTC
CCATAAGGGGGAAGCCGAGACTAATAAGCCTCTTCCAAAAAGAGGTAAAGGGAGGTAG
ACAAGGGGCGGCAGCGGAGGCTGGCTACTGCATTCCGTAGGAGGAGCCAACAGTTACTTT
TTACCTGCTGAGTCCGGTGAACCAAGTTCATGGGGGCGGGACCTGCCTATGAGAAAAGGG
CCAGGATAGAAGAGCCCCAAGCGATAGAACCAGCATGGCTTCCGCAGTCTGGGGGAGTGCC
CCCTGGTGGGGCCCGCCGCCCGCCGAGCTCGGCCGCTCACGGACATCGACTTCTGC
TCCGGGGCGCAGCTGCAGGAATTGACCCAGCTGATCCAGGAGCTGGGTGTGCAGGAGAGC
TGGAGTGACGGGCCAAGCCGGGAGCCGATCTCCTCCGGGCCAAGGACTTTGTCTTCTCT
TTGCTTGGTCTAGTTCACCGCCGGGACCCTCGCTTTCCTCCCGAGGAGAGCTCTTGCTG
CTTCGTGGTGGGATTCCGCGAGGGCTCCCTGGATCTGGGGCATGCACCCCTGGGTCCCTAC
GCCCCGGGACCTCACTACGATGCCGGCTTCACACTCCTAGTGCCCATGTTTTCACTGGAC
GGCACTGAACTGCAACTGGACCTGGAATCCTGTTACGCACAGGTCTGCCTCCAGAGATG
GTGTGCGGAACCCCATCCGGGAGATGTGGCAGGATTGCTTAGGACCCCAAGTCCAGGA
GCACGTGATTTCGATCCACCGAACGAGAGCGAAGAAAGTTCCAAGGACTGGCAAAGCTCT
GTAGACCAGCCGACAGCTACGTCACTGAGCAGAGGCGCCGGTGTCTTTGAAAAATCG
CCTAGTGACGTTTCAGCGTCCGAGTTCGCTCAGCATGACGTGTCGACCTTGCTCTACC
GCACCTTTGAAAAAATGAGTAGTGACGTACCAAGGAGCCGTCGAAAGCCAGTCCCA
AAGCCGTGCGAGGCTCGGGAAGCGTGGCCACATTATGTTCCGCCAGGTGGTGCCTGG
TTCTTTGCTACGCTGGCGGCGGTGCGCGAGTCTCTGATCCCTGTCCCGGGTGTCCGCGT
CTGGTGACGCAGCTCGCCACGCGGGTTTACCACCGTCTCTGGCTACCCCTGAGCCC
CCTCGCCGCTCCTGCTCTTCGACCTGATCCAGTGGTGTCCGTGGCGGGCTGGCCGAG
GGGGCTCGGAGCACTCGTGGGCCGGTCCGCTGGCCTCTGAGTCGGCTTCCTTCTACCTG
GTGCCCCGTGGCGCACCGAGCGCGCGTGCCTCCGCTGGCAGCTCTGTTTTGCCCGC
CAGGAGCTGGCGCTCAAAGCGCGCATACCAAGCGCGCTGCTGCAGGCGCACGCGCGGCC
CAGGCGCTACTGCGCCGCTGGTGGCCGGGACCGGGCGCGCGCCCTACCTCTGCGG
ACGCTGCTGTAAGGGCTGCGAGCGGCTGCCTGCGCTCTACCTGGCGCGGCCAGAAAAT
GCGGGCGCCTGCTGCCTCGGGCTGCTAGACGAGCTCGGCCGAGTGTCTGAGGCCGGGACG
TTGCCTCACTATTTCTGAACGGCCGACAGCTCCGTACGGGGGACGACTCCGCTGCGCTG
CTCGGAGAATTGGCCCGCTCCGCGGGGACCGGCCCGGGCCCTCCGTGCCGCGGTGGAG
GAGGCCAAAGTGGCCCGCAAGGGGGCGGTTTGGCGGGCTGGGGGGCGGGGCCATTAA
AGACGCTGTTCTACAGTGGAAGTGCCTCTGTGGGCGAGCGGACGTGGGGGGCCCTG
CTCGCCCCCTCGCCAGGGGAGTACTGTGTGCCCTGGGCCTGAAGCCCCCTTCTGGAAG
ACCTCCCTGTTGGTTCCTCTACGCCACCCGCTGCCCCGCAAGTTGAAAAAAA
AAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_178518 unedited TCTGATTTGTATACCATATATAGGCGGCCGCGNAATTCGATCTGGTACCGGTCCGGAAT TCCCGGGATGTGGGCATCAGGNAAGAAGTAACCTGTTGAATCTATTTCTGCTCCCCACCC TTAAGTCTTCCCATAGGGGGAAGCCGAGACTAATAAGCCTCTTCAAAAAAGAGGTAA AGGGAGGTAGACAAGGGGCGGACGGGAGGCTGGCTACTGCATTCCGTAGGAGGAGCCAA CAGTTACTTTTTACCTGCTGAGTCCGGTGAACCACTTCATGGGGGCGGGACCTGCCTAT GAGAAAAGGGCCAGGATAGAAGAGCCCAAGCGATAGAACCAGCATGGCTTCCGCAGTCTG GGGGAGTGCCCCCTGGTGGGGCCCGCCGCCCGGCCAGCTCGGCCGCTCACGGACAT CGACTTCTGCTCCGGGGCGCAGCTGCAGGAATTGACCCAGCTGATCCAGGAGCTGGGTGT GCAGGAGAGCTGGAGTGACGGGCCCAAGCCGGGAGCCGATCTCCTCCGGGCCAAGGACTT TGTCTTCTTTTCTGTTGCTAGTTACCGCCGGGACCTCGCTTCTCCCCAGGCAGA GCTCTTGCTGCTCGTGGTGGGATTGCGAGGGCTCCCTGGATCTGGGGCATGCACCCCT GGGTCCCTACGCCGNGACCTCACTACGATGCCGGCTTCACTCTAGTGCCCATGTT TTCCTGGACGGCACTGAAGTGNCACTGGACCTGGAATCTGTTACGCACAGGTCTGCCT CCCAGAGATGGTGTGNCGAACCCCATCCNGGAGAATGTGCAGGATTGCTTTAGACCCCC AGTCCCAGNAGCAGTGATTTTCGATCCACCGAACCGAGAGCGAAGAAAGTTCCNAGGACT GGCAAAGCTCTGTT
Restriction Sites:	NotI-NotI
ACCN:	NM_178518
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:	<u>NM_178518.2</u> , <u>NP_848613.1</u>
RefSeq Size:	1996 bp
RefSeq ORF:	1527 bp
Locus ID:	284114
UniProt ID:	<u>Q8N9M5</u>
Cytogenetics:	17p13.1

Gene Summary:

Selectively involved in CSF2 deprivation-induced apoptosis via a mitochondria-dependent pathway.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.