

Product datasheet for **SC123087**

C22orf32 (SMDT1) (NM_033318) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C22orf32 (SMDT1) (NM_033318) Human Untagged Clone
Tag:	Tag Free
Symbol:	C22orf32
Synonyms:	C22orf32; DDDD; EMRE
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 NM_033318 edited
 GCTTTCTTCCCGAGGGCGGCACGAGGGCTGGGCGGTGGGGTGCGGGTGCCCGGGTGAGGG
 GCGGAGCTGGGGGCATGGCGTCCGGAGCGGCTCGCTGGCTAGTATTGGCACCCGTCAGGT
 CCGGGGCTCTCCGGAGCGGGCTAGCTTGGGAAAGATGGCGATGTCTCCGCCGATGGA
 GCGGCTCAGGCCGGAGCCTGGTACCGTCCGGGTGAGTATCGTTACCCGAGCGGGGCCA
 TTTTGCCCAAACCGGTGAAAATGCCTTCGGCCTTCTGCGTGTGTCTCCATTGTGATCC
 CCTTTCTCTATGTCGGGACACTATTAGCAAGAAGTTTCTGCTCTACTTGAGGAACATG
 ACATTTTTGTTCCAGAGGATGATGATGATGATGACTAACAGGAATTACAGAAAGGAGAAA
 GCACTAACTGAAGAAATGGTGATGCTCTCAGTTTCTCTGCCTTCCCTATCAGCAGAAAGG
 CTCGGGAAGGCCCTCAGCCTCCAGTCTGGTGAAGCTTCTGTATGGTCCATGACCGTA
 TTCCACCCAGGCTCTGGGAGGCTCCCTGAGATGTGCTGTCCACTAAGCACTGCACAAAC
 AAGCAATCAAATTATGAATAAACATAATAAATATCAGCCGTGCGTGACTGAGTATGGCT
 GCAGTTTCTCAGTATCCCTAGGTTCTAGTTGGTGCAGTTGTCTCTGCTGCCTTTATTTA
 TGGGAGAAACATAGGCCAGGCTATCCAGGCTGCAGTGGAGCCTGGTGAAGTATTCTGGG
 GGCCTGGGAAGTATTTTCATTGTTTACAAAAGCCCAACAGAACTGTGCATTTTCCCTT
 AAGAAAGCTTCATGGGCTAACTAAAGCCTCATGCCATTCTGTGTTCAAGTCCAGTATGA
 CAGCTCTGCTTGTAGCATACTACTTAAATATAACTAGAATGATTCAAAACCTCGGGTCT
 GTGATATGAGGATATAGATAGGTTTTTCTATTTTCTGGCTTATAACTCCCAAAACCTT
 TGTTTTAGGCTTTTGTATAATGTTGGGCATTCGGGCCCTCAGAAAACAGCAGGCTGTTT
 CTCAGATCTTCTCCTGACCTCCTTTCACCTGCTGCTTTTTCTCCCAAGGCAGGCCATAG
 AAATAAAAGTATAATCTTCTTGGCCATCTTCCAGTTGGCCATAAAAAGAATCCTCTG
 ACCTACCTTGCTGATTTTAGGTCATGAGACCCCATTTTCCAGTGGCCATAAAAAGAATCCTCTG
 CCTGAGAGGAAGAAATGTAGACAGGCCTTGTGGACTTCCCACTCCATCTGTATTAGAT
 TATGCCTCTTTTGTCCAATCCCATTCTCCAGTGTGTCATGCTTCAATCATCCCTATC
 CAATGAGGTCTCCATAAAAGGCCCAAGAAGACAGGTTTAGAGAGCTTTCGAGAAACAGAA
 CACTTGGCTTTGCAAAGTGGCACGCTGGAGAGAACTTGAAGCTCCACGCCCTTCTAT
 ACCTCACCTATGCATCTCTCAGCTGTATCTTTGTGATATCTTTATAATAAACCCAGT
 AAACGGAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_033318 unedited
 NNNCCAGGTCAGATATTTGTATACGACTCACTATAGGCGCCGCATAACTTCGTATAGCA
 TACATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGG
 GCTTTCTTCCCGAGGGCGGCACGAGGGCTGGGCGGTGGGGTGCGGGTGCCCGGGTGAGGG
 GCGGAGCTGGGGGCATGGCGTCCGGAGCGGCTCGCTGGCTAGTATTGGCACCCGTCAGGT
 CCGGGGCTCTCCGGAGCGGGCTAGCTTGGGAAAGATGGCGATGTCTCCGCCGATGGA
 GCGGCTCAGGCCGGAGCCTGGTACCGTCCGGGTGAGTATCGTTACCCGAGCGGGGCCA
 TTTTGCCCAAACCGGTGAAAATGCCTTCGGCCTTCTGCGTGTGTCTCCATTGTGATCC
 CCTTTCTCTATGTCGGGACACTATTAGCAAGAAGTTTCTGCTCTACTTGAGGAACATG
 ACATTTTTGTTCCAGAGGATGATGATGATGATGACTAACAGGAATTACAGAAAGGAGAAA
 GCACTAACTGAAGAAATGGTGATGCTCTCAGTTTCTCTGCCTTCCCTATCAGCAGAAAGG
 CTCGGGAAGGCCCTCAGCCTCCAGTCTGGTGAAGCTTCTGTATGGTCCATGACCGTA
 TTCCACCCAGGCTCTGGGAGGCTCCCTGAGATGTGCTGTCCACTAAGCACTGCACAAAC
 AAGCAATCAAATTATGAATAAACATAATAAATATCAGCCGTGCGTGACTGAGTATGGCT
 GCAGTTTCTCAGTATCCCTAGGTTCTAGTTGGTGCAGTTGTCTCTGCTGCCTTTATTTA
 TGGGAGAAACATAGGCCAGGCTATCCAGGCTGCAGTGG

Restriction Sites: Please inquire
ACCN: NM_033318
Insert Size: 1586 bp

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>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	NM_033318.3 , NP_201575.2
RefSeq Size:	1581 bp
RefSeq ORF:	324 bp
Locus ID:	91689
UniProt ID:	Q9H4I9
Cytogenetics:	22q13.2
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes a core regulatory component of a calcium channel in the mitochondrial inner membrane. [provided by RefSeq, Apr 2017]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the protein.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>