

Product datasheet for **SC319317**

C3ORF31 (TAMM41) (NM_138807) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C3ORF31 (TAMM41) (NM_138807) Human Untagged Clone
Tag:	Tag Free
Symbol:	C3ORF31
Synonyms:	C3orf31; RAM41; TAM41
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_138807.2 CTCTGCCTGTGCGACCGCCGCCACCCGAGCCTATCTGGGCTGCGTCTTCTCGCCGCTGC TCTTCGTGGCCCAACGCCCAATCCTTGCGTGTGCTTGCACTCCACCCACACTCAGCC TTGTGTCCCTCGATCCAGTCTCGACTTCCATTTCCACCCCTAAACCGCCTACCCGGTGT CTGTTCCCGGCCGTTGTCTCGCCCTGCTGCGCTGAGTGTCCCTGTTAGCCTCGACC CCATGGCGCTGCAGACGCTGCAGAGCTCGTGGTGACCTTCCGCAAGATCCTGTCTCACT TCCCCGAGGAGCTGAGTCTGGCTTTCTGTCTACGGCTCCGGGGTGTACCGCCAGGCAGGGC CGAGTTCAGACCAGAAGAATGCTATGCTGGACTTTGTGTTACAGTAGATGACCCTGTGC CATGGCATTCAAAGAACCTGAAGAAAAATTGGAGTCACTACTCTTTCCTAAAAGTTTATG GGCCCAAGATTATCACGTCCATCCAGAATAACTATGGCGCTGGAGTTTACTACAATTCAT TGATCATGTGTAATGGTAGGCTTATCAAATATGGAGTTATTAGCACTAACGTTCTGATTG AAGATCTCCTCAACTGGAATAACTTATACATTGCTGGACGACTCCAAAAACCGGTGAAAA TTATCTCAGTGAACGAGGATGTCACTCTTAGATCAGCCCTCGATAGAAATCTGAAGAGTG CTGTGACCGCTGCTTTCTCATGCTCCCCGAAAGCTTTTCTGAAGAAGACCTCTTCATAG AGATTGCCGGTCTCTCCTATTCAGGTGACTTTCGGATGGTGGTTGGAGAAGATAAAACAA AAGTGTGAATATTGTGAAGCCCAATATAGCCCACTTTCGAGAGCTCTATGGCAGCATAC TACAGGAAAAATCCTCAAGTGGTGTATAAAAGCCAGCAAGGCTGGCTGGAGATAGATAAAA GCCCAGAAGGACAGTTCACTCAGCTGATGACATTGCCCAAAACCTTACAGCAACAGATAA ATCATATTATGGACCCTCCTGGAAAAACAGAGATGTGGAAGAACTTTATTCCAAGTGG CTCATGATCCCGACTGTGGAGATGTGGTGGGACTAGGCCTGAAGAAGTCAGTGATTATA GTTCACTAAAACGACAAAAATGTGAAAGGGTGGCTGAGGAAAAACATCCTGATTTTGCT TGCTTTTATATATGTTATGTGTAGATGAATAAAGTGTTTGATCCTTTTGCACAAAAAAA AAAAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_138807


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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_138807.2, NP_620162.1</u>
RefSeq Size:	1270 bp
RefSeq ORF:	951 bp
Locus ID:	132001
UniProt ID:	<u>Q96BW9</u>
Cytogenetics:	3p25.2
Protein Families:	Transcription Factors
Gene Summary:	Catalyzes the formation of CDP-diacylglycerol (CDP-DAG) from phosphatidic acid (PA) in the mitochondrial inner membrane. Required for the biosynthesis of the dimeric phospholipid cardiolipin, which stabilizes supercomplexes of the mitochondrial respiratory chain in the mitochondrial inner membrane.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.