

## Product datasheet for **RG237551**

### **C3ORF31 (TAMM41) (NM\_001284401) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C3ORF31 (TAMM41) (NM_001284401) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C3ORF31
Synonyms:	C3orf31; RAM41; TAM41
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237551 representing NM_001284401. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCTGCAGACGCTGCAGAGCTCGTGGGTGACCTTCCGCAAGATCCTGTCTCACTTCCCGAGGAG
CTGAGTCTGGCTTTCGTCTACGGCTCCGGGGTGTACCGCCAGGCAGGGCCGAGTTCAGACCAGAAGAAT
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TTCCAAGTGGCTCATGATCCCGACTGTGGAGATGTGGTGCAGTGGGCTTTCAGCAATCGTGAGACCG
TCTAGTATAAGACAGAGCACGAAAGGCATTTTTACTGCTGGCCTGAAGAAGTCAGTGATTATAGTTCA
CTAAAAGTGCACAAAATGTGAAAGGGTGGCTGAGGAAAAACATCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



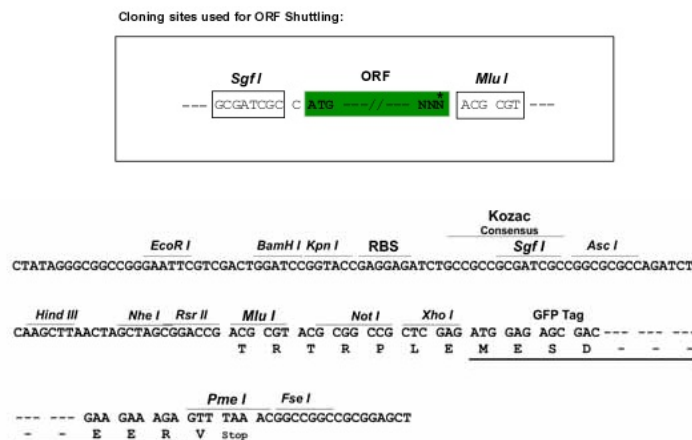
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG237551  
 Blue=ORF Red=Cloning site Green=Tag(s)

MALQTLQSSWVTRKILSHFPEELSLAFVYGSGVYRQAGPSSDQKNAMLDVFTVDDPVAWHSKNLKKK  
 WSHYSFLKVLGPKIITSIQNNYAGVYYNSLIMCNGRLIKYGVISTNVLIEDLLNWNLYIAGRLQKPV  
 KII SVNEDVTLRSALDRNLKSAVTA AFLMLPESFSEEDLFI E IAGLSYSGDFRMVVGEDKTKV LNI VKP  
 NIAHFRELYGSILQENPQVYKYSQQGWLEIDKSPEGQFTQLM TL PKTLQQQINHI MDPPGKNRDVEETL  
 FQVAHDPDCGDVVRLGLSAIVRPSIRQSTKGIF TAGLKKSVIYSSLK LHKMWKGLR KTS  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001284401

**ORF Size:** 1011 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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).

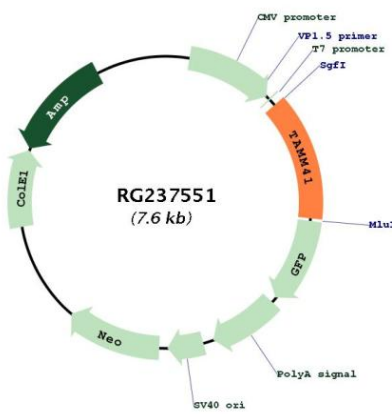
**RefSeq:** [NM\\_001284401.2](#)

**RefSeq Size:** 1374 bp

**RefSeq ORF:** 1014 bp

Locus ID:	132001
UniProt ID:	<a href="#">Q96BW9</a>
Cytogenetics:	3p25.2
Protein Families:	Transcription Factors
MW:	38.5 kDa
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]

## Product images:



Circular map for RG237551