

Product datasheet for **RG236166**

EXOC7 (NM_001282314) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: EXOC7 (NM_001282314) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: EXOC7
Synonyms: 2-5-3p; BLOM4; EX070; EXO70; Exo70p; EXOC1; NEDSEBA; YJL085W
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236166 representing NM_001282314.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGATTCCCCACAGGAGGCATCCGCTCGACGGCGGGAGATTGAGGACAAGCTGAAGCAGGAGGAGGAG
ACTCTGTCCTTCCGAGACAGCCTGGAGAAGAGCGACCAGCTCACTAAGAACATGGTGTCTATCTTA
TCATCCTTTGAGAGCCGCTTATGAAGCTGGAGAACTCCATCATCCCTGTGCACAAGCAGACGGAGAAT
CTGCAGCGGCTGCAGGAGAATGTTGAGAAGACGCTGTCTGCCTGGACCATGTCATCAGCTACTACCAT
GTGGCCAGTGACTGAGAAGATCATCAGAGAGGGCCCCACAGGTAGGCTGGAAGAGTACCTGGGAAGC
ATGGCCAAGATTCAGAAGGCAGTGGAGTATTTCCAGGACAACAGCCAGACAGCCCGGAACCAACAAA
GTGGTAAGGGGTCCGCAGAATAACGTGAGAAGCTTGGGGATATCAGTCTCTGCCCTGGTCTCA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236166
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MIPPQEASARRREIEDKLRQEEETLSFIRDSLEKSDQLTKNMVSISSFESRLMKLENSIIPVHKQTEN
LQRLQENVEKTLSCLDHVISYYHVASDTEKIIREGPTGRLEEYLGSMKIQKAVEYFQDNSPDSPELNK
VVRGPQNNVRSLSISVSALVS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



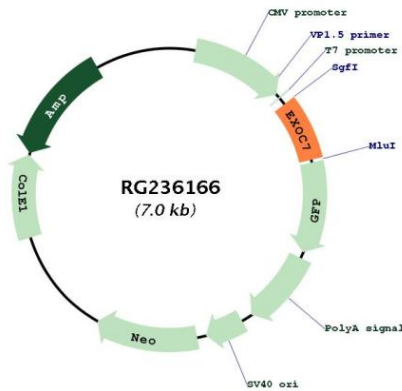
[View online »](#)

Cloning Scheme:


- ACCN:** NM_001282314
- ORF Size:** 477 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_001282314.2](#)
- RefSeq Size:** 771 bp
- RefSeq ORF:** 480 bp
- Locus ID:** 23265
- Cytogenetics:** 17q25.1
- Protein Families:** Druggable Genome
- Protein Pathways:** Insulin signaling pathway
- MW:** 18.6 kDa

Gene Summary:

The protein encoded by this gene is a component of the exocyst complex. The exocyst complex plays a critical role in vesicular trafficking and the secretory pathway by targeting post-Golgi vesicles to the plasma membrane. The encoded protein is required for assembly of the exocyst complex and docking of the complex to the plasma membrane. The encoded protein may also play a role in pre-mRNA splicing through interactions with pre-mRNA-processing factor 19. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 4. [provided by RefSeq, Nov 2011]

Product images:


Circular map for RG236166