

Product datasheet for **SC301912**

EXOC7 (NM_001013839) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXOC7 (NM_001013839) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXOC7
Synonyms:	2-5-3p; BLOM4; EX070; EXO70; Exo70p; EXOC1; NEDSEBA; YJL085W
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001013839, the custom clone sequence may differ by one or more nucleotides

```

ATGATTCCCCACAGGAGGCATCCGCTCGACGGCGGGAGATTGAGGACAAGCTGAAGCAG
GAGGAGGAGACTGTCTTTCATCCGAGACAGCCTGGAGAAGAGCGACCAGCTCACTAAG
AACATGGTGTCTATCTTATCATCTTTGAGAGCCGCTTATGAAGCTGGAGAAGCTCCATC
ATCCCTGTGCACAAGCAGACGGAGAATCTGCAGCGGCTGCAGGAGAATGTTGAGAAGACG
CTGTCTGCCTGGACCATGTCTCAGCTACTACCATGTGGCCAGTGACACTGAGAAGATC
ATCAGAGAGGGCCCCACAGGTAGGCTGGAAGAGTACCTGGGAAGCATGGCCAAGATTGAG
AAGGCAGTGGAGTATTTCCAGGACAACAGCCAGACAGCCCGAACTCAACAAAGTGAAA
CTGCTCTTTGAGCGCGGAAGGAGGCCCTGGAGTCCGAATTTGCGAGCCTGATGACGCGG
CACAGTAAGGTCGTCTCGCCCGTCTCATCTTGGATCTGATCAGTGGTGACGATGATCTG
GAGGCCAGGAGGACGTGACCCTGGAGCACCTGCCCGAGAGCGTCTCCAGGATGTCATT
CGCATCTCCCGTGGCTGGTGGAAATATGGCCGAACCAAGATTTTCATGAACGTCTACTAC
CAGATACGCTCCAGCCAGCTGGACCGCTCCATCAAAGGACTGAAGGAGCATTTCATAAG
AGCAGTTCTTCTCTGGGGTTCCTACTCCCTGCTATCCCAACAAGAGAAAGACACA
CCTACCAAGAAGCCAGTCAAGCGCCAGGACGATCCGTAAAGGCTCAGAACCTTCTGAAA
CAGTATCCCAGCATGGTCTAGATGGGAAAAAGGGGGGCTCTAACCTCATTCTCTGAAA
GGGAGAGATGACATGCTGGAGCTGGAGACCGATGCCTACATCCACTGCGTCAGTGCCCTC
GTCAAGCTGGCGCAGAGCGAGTACCAGCTGCTGGCCGACATCATCCCGAGCACCACCAG
AAGAAGACCTTCGACTCCCTGATACAGGATGCCCTGGATGGGCTGATGCTGAAGGGGAG
AACATCGTGTCTGCTGCCCGAAGGCCATTGTGCGACACGACTTCTCCACGGTGTCCACC
GTCTTCCCATCCTGCGACACCTCAAGCAGACCAAGCCTGAGTTTGACCAGGTGCTCCAG
GGCAGCGCTGCCAGCACAAGAACAAGCTGCCTGGCCTCATCACATCCATGGAGACCATC
GGTGCCAAAGCGCTGGAGGACTTCGAGACAACATCAAGAATGACCCGGACAAGGAGTAC
AACATGCCGAAGGACGGCACCGTACACGAGCTACCAGCAATGCCATCCTCTTCTGACG
CAGTTTTGGACTTCCAGGAGACGGCAGGCGCATGCTGGCTCCCAAGAGACCAGCTCT
TCGGCCACCAGCTACAGCTCTGAGTTCAGCAAGCGGCTGCTAAGCACCTATATCTGTAAA
GTGCTGGGCAACCTGCAGTTGAACTTGCTGAGCAAGTCCAAGGTGTACGAGGACCCAGCT
CTGAGCGCCATCTTCTGCACAACAATAAATTACATCCTCAAGTCCCTGGAGAAGTCT
GAACTGATCCAGCTGGTGGCAGTGACACAGAAGACTGCTGAGCGCTCTACCGGGAGCAC
ATTGAGCAGCAGATCCAGACCTACCAGCGCAGCTGGTTAAAGGTGACTGATTACATCGCA
GAGAAGAATCTACCTGTGTTCCAGCCGGAGTCAAGCTCCGGGACAAGGAGCGGCAGATT
ATCAAGGAGCGTTTTAAGGGCTTCAATGATGGCCTCGAAGAAGTGTGAAAATCCAGAAG
GCCTGGGCTATTCCAGACACAGAGCAGAGGGACAGGATTCCGCCAGGCCAGAAAGACCATT
GTCAAGGAGACCTACGGGGCCTTTCTACAGAAGTTTGGCAGCGTGCCTTACCAAGAAC
CCGGAGAAGTACATCAAGTACGGGGTGGAGCAGGTGGGCGACATGATCGATCGCCTTTTC
GACACCTCTGCCTGA
    
```

Restriction Sites: Please inquire
ACCN: NM_001013839

OTI Disclaimer: 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.

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 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: [NM_001013839.1](#), [NP_001013861.1](#)

RefSeq Size: 4780 bp

RefSeq ORF: 2055 bp

Locus ID: 23265

UniProt ID: [Q9UPT5](#)

Cytogenetics: 17q25.1

Protein Families: Druggable Genome

Protein Pathways: Insulin signaling pathway

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]

Transcript Variant: This variant (1) encodes isoform 1.