

## Product datasheet for SC334060

### EXOC7 (NM\_001282314) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EXOC7 (NM_001282314) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXOC7
Synonyms:	2-5-3p; BLOM4; EX070; EXO70; Exo70p; EXOC1; NEDSEBA; YJL085W
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC334060 representing NM_001282314. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGATTCCCCACAGGAGGCATCCGCTCGACGGCGGAGATTGAGGACAAGCTGAAGCAGGAGGAGGAG
ACTCTGTCCTTCCGAGACAGCCTGGAGAAGAGCGACCAGCTCACTAAGAACATGGTGTCTATCTTA
TCATCCTTTGAGAGCCGCCTTATGAAGCTGGAGAAGTCCATCATCCCTGTGCACAAGCAGACGGAGAAT
CTGCAGCGGCTGCAGGAGAATGTTGAGAAGACGCTGTCTGCTGGACCATGTCATCAGCTACTACCAT
GTGGCCAGTGACTGAGAAGATCATCAGAGAGGGCCCCACAGGTAGGCTGGAAGAGTACCTGGGAAGC
ATGGCCAAGATTCAGAAGGCAGTGGAGTATTTCCAGGACAACAGCCAGACAGCCCGGAAGTCAACAAA
GTGTAAGGGGTCCGCAGAATAACGTGAGAAGCTTGGGGATATCAGTCTCTGCCCTGGTCTCATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001282314
Insert Size:	480 bp
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).
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\\_001282314.1](#)

**RefSeq Size:** 771 bp

**RefSeq ORF:** 480 bp

**Locus ID:** 23265

**Cytogenetics:** 17q25.1

**Protein Families:** Druggable Genome

**Protein Pathways:** Insulin signaling pathway

**MW:** 18.1 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]

Transcript Variant: This variant (7) lacks several 3' exons but contains an alternate 3' structure, and thus differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (7) has a shorter and distinct C-terminus compared with isoform 1.