

Product datasheet for **SC326166**

EXOC7 (NM_001145298) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXOC7 (NM_001145298) 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)



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Fully Sequenced ORF: >SC326166 representing NM_001145298.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGATCCCCCACAGGAGGCATCCGCTCGACGGCGGGAGATTGAGGACAAGCTGAAGCAGGAGGAGGAG
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TCATCCTTTGAGAGCCGCTTATGAAGCTGGAGAACTCCATCATCCCTGTGCACAAGCAGACGGAGAAT
CTGCAGCGGCTGCAGGAGAATGTTGAGAAGACGCTGCTCCTGCCTGGACCATGTATCAGCTACTACCAT
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ATTGAGCAGCAGATCCAGACCTACCAGCGCAGCTGGTTAAAGGTGACTGATTACATCGCAGAGAAGAT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001145298

Insert Size: 2031 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).

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:	<ol style="list-style-type: none">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_001145298.3</u>
RefSeq Size:	4781 bp
RefSeq ORF:	2031 bp
Locus ID:	23265
UniProt ID:	<u>Q9UPT5</u>
Cytogenetics:	17q25.1
Protein Families:	Druggable Genome
Protein Pathways:	Insulin signaling pathway
MW:	77.3 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) omits an in-frame coding exon and includes an alternate in-frame coding exon compared to variant 1. The predicted protein (isoform 5) is shorter than isoform 1.</p>