

Product datasheet for **SC325308**

EXOC7 (NM_001145297) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXOC7 (NM_001145297) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXOC7
Synonyms:	2-5-3p; BLOM4; EX070; EXO70; Exo70p; EXOC1; NEDSEBA; YJL085W
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001145297, the custom clone sequence may differ by one or more nucleotides

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ATGATTCCCCACAGGAGGCATCCGCTCGACGGCGGGAGATTGAGGACAAGCTGAAGCAG
GAGGAGGAGACTGTCTTTCATCCGAGACAGCCTGGAGAAGAGCGACCAGCTCACTAAG
AACATGGTGTCTATCTTATCATCTTTGAGAGCCGCTTATGAAGCTGGAGAAGCTCCATC
ATCCCTGTGCACAAGCAGACGGAGAATCTGCAGCGGCTGCAGGAGAATGTTGAGAAGACG
CTGTCTGCCTGGACCATGTATCAGCTACTACCATGTGGCCAGTGACACTGAGAAGATC
ATCAGAGAGGGCCCCACAGGTAGGCTGGAAGAGTACCTGGGAAGCATGGCCAAGATTCAG
AAGGCAGTGGAGTATTTCCAGGACAACAGCCAGACAGCCGGAAGCTCAACAAAGTGAAA
CTGCTCTTTGAGCGCGGAAGGAGGCCCTGGAGTCCGAATTTGCGAGCCTGATGACGCGG
CACAGTAAGGTCGTCTCGCCCGTCTCATCTTGGATCTGATCAGTGGTGACGATGATCTG
GAGGCCAGGAGGACGTGACCCTGGAGCACCTGCCCGAGAGCGTCTCCAGGATGTCATT
CGCATCTCCCGTGGCTGGTGAATATGGCCGAACCAAGATTTTCATGAACGTCTACTAC
CAGATACGCTCCAGCCAGCTGGACCGCTCCATCAAAGGACTGAAGGAGCATTTCATAAG
AGCAGTTCTTCTCTGGGGTTCCCTACTCCCTGCTATCCCAACAAGAGAAAGACACA
CCTACCAAGAAGCCAGTCAAGCGGCCAGGACGATCCGTAAAGGCTCAGAACCTTCTGAAA
CAGTATCCCAGCATGGTCTAGATGGGAAAAAGGGGGGCTCTAACCTCATTCTCTGAAA
GGGCTTCTCCCTGTACCCCAAGGGGCGGCTGCCTGGCCCTGGATAAACGCTGCTTGT
GTTTGTGCGGCGGACATCTCGCCAGGTCACGAGCATGATTTCCGAGTTAAGCACCTGTCC
GAGGCCTTGAACGACAAGCACGGGCCGCTGGCCGGGAGAGATGACATGCTGGACGTGGAG
ACCGATGCCTACATCCACTGCGTCAGTGCCTTCGTCAAGCTGGCGCAGAGCGAGTACCAG
CTGTGGCCGACATCATCCCGAGCACACCAGAAGAAGACCTTCGACTCCCTGATACAG
GATGCCCTGGATGGGCTGATGCTTGAAGGGGAGAACATCGTGTCTGCTGCCCGAAGGCC
ATTGTGCGACACGACTTCTCCACGGTGTCCACCGTCTTCCCATCTGCGACACCTCAAG
CAGACCAAGCCTGAGTTTGACCGGTGCTCCAGGGCACGGCTGCCAGCACAAAGAACAAG
CTGCTGGCCTCATCACATCCATGGAGACCATCGGTGCCAAAGCGCTGGAGGACTTCGCA
GACAACATCAAGAATGACCCGGACAAGGAGTACAACATGCCGAAGGACGGCACCGTACAC
GAGCTCACAGCAATGCCATCCTTCTGAGCAGCTTTTGGACTTCCAGGAGACGGCA
GGCGCCATGCTGGCCTCCAAGAGACCAGCTCTCGGCCACCAGCTACAGCTCTGAGTTC
AGCAAGCGGCTGTAAGCACCTATATCTGTAAGTGTGGCAACCTGCAGTTGAACTTG
CTGAGCAAGTCCAAGGTGTACGAGGACCAGCTCTGAGCGCCATCTTCTGCACAACAAC
TACAATTACATCCTCAAGTCCCTGGAGAAGTCTGAACTGATCCAGCTGGTGGCAGTGACA
CAGAAGACTGCTGAGCGCTCCTACCGGGAGCACATTGAGCAGCAGATCCAGACCTACCAG
CGCAGCTGGTTAAAGGTGACTGATTACATCGCAGAGAAGAATCTACCTGTGTTCCAGCCG
GGAGTCAAGCTCCGGGACAAGGAGCGGCAGATTATCAAGGAGCGTTTTAAGGGCTTCAAT
GATGGCCTCGAAGAACTGTGCAAAATCCAGAAGGCCTGGGCTATTCCAGACACAGAGCAG
AGGGACAGGATTCGCCAGGCCAGAAGACCATTGTCAAGGAGACCTACGGGGCCTTTCTA
CAGAAGTTTGGCAGCGTGCCTTACCAAGAACCCGGAGAAGTACATCAAGTACGGGGTG
GAGCAGGTGGGCGACATGATCGATCGCCTTTTCGACACCTCTGCC
    
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Restriction Sites: Please inquire

ACCN: NM_001145297

Insert Size: 4958 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_001145297.1</u> , <u>NP_001138769.1</u>
RefSeq Size:	4958 bp
RefSeq ORF:	2208 bp
Locus ID:	23265
UniProt ID:	<u>Q9UPT5</u>
Cytogenetics:	17q25.1
Protein Families:	Druggable Genome
Protein Pathways:	Insulin signaling pathway
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 (4) includes an alternate in-frame exon resulting in a longer protein (isoform 4) compared to isoform 1.</p>