

Product datasheet for **SC100441**

EXOC7 (NM_015219) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXOC7 (NM_015219) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXOC7
Synonyms:	2-5-3p; BLOM4; EX070; EXO70; Exo70p; EXOC1; NEDSEBA; YJL085W
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_015219 edited
 ATGATTCCCCACAGGAGGCATCCGCTCGACGGCGGGAGATTGAGGACAAGCTGAAGCAG
 GAGGAGGAGACTCTGTCTTCATCCGAGACAGCCTGGAGAAGAGCGACCAGCTCACTAAG
 AACATGGTGTCTATCTTATCATCTTTGAGAGCCGCTTATGAAGCTGGAGAAGCTCCATC
 ATCCCTGTGCACAAGCAGACGGAGAATCTGCAGCGGCTGCAGGAGAATGTTGAGAAGACG
 CTGTCTCGCTGGACCATGTCATCAGCTACTACCATGTGGCCAGTGACACTGAGAAGATC
 ATCAGAGAGGGCCCCACAGGTAGGCTGGAAGAGTACCTGGGAAGCATGGCCAAGATTCAG
 AAGGCAGTGGAGTATTTCCAGGACAACAGCCCAGACAGCCGGAAGTCAACAAAGTGAAA
 CTGCTCTTTGAGCGCGGAAGGAGGCCCTGGAGTCCGAATTTTCGACGCTGATGACGCGG
 CACAGTAAGTCTGCTCGCCCGTCTCATCTTGGATCTGATCAGTGGTGACGATGATCTG
 GAGGCCAGGAGGACGTGACCCTGGAGCACCTGCCCGAGAGCGTGCTCCAGGATGTCATT
 CGCATCTCCCGTGGCTGGTGAATATGGCCGCAACCAAGATTTTCATGAACGTCTACTAC
 CAGATACGCTCCAGCCAGCTGGACCGCTCCATCAAAGGACTGAAGGAGCATTTCATAAG
 AGCAGTTCTTCTCTGGGGTTCCTACTCCCTGCTATCCCAACAAGAGAAAGACACA
 CCTACCAAGAAGCCAGTCAAGCGGCCAGGAGAGATGACATGCTGGACGTGGAGACCGAT
 GCTACATCCACTGCGTCAAGTTCGTCAGCTGGCGCAGAGCGAGTACCAGCTGCTG
 GCCGACATCATCCCCGAGCACCACCAGAAGAAGACCTTCGACTCCCTGATACAGGATGCC
 CTGGATGGGCTGATGCTTGAAGGGGAGAACATCGTGTCTGCTGCCCGGAAGGCCATTGTG
 CGACACGACTTCTCCACGGTGTCCACCGTCTTCCCATCTGCGACACCTCAAGCAGACC
 AAGCCTGAGTTTGACCAGGTGCTCCAGGGCAGGCTGCCAGCACAAAGAACAAGCTGCCT
 GGCCTCATCACATCCATGGAGACCATCGGTGCCAAAGCGCTGGAGGACTTCGCAGACAAC
 ATCAAGAATGACCCGACAAGGAGTACAACATGCCGAAGGACGGCACCGTACACGAGCTC
 ACCAGCAATGCCATCCTTCTTGCAGCAGCTTTTGGACTTCCAGGAGACGGCAGGCGCC
 ATGCTGGCCTCCCAAGAGACCAGCTCTTCGGCCACCAGCTACAGCTCTGAGTTTCAGCAAG
 CGGCTGCTAAGCACCTATATCTGTAAGTGTGGGCAACCTGCAGTTGAAGTGTGAGC
 AAGTCCAAGGTGTACGAGGACCCAGCTCTGAGCGCCATCTTCTGCACAACAACAATAAT
 TACATCTCAAGTCCCTGGAGAAGTCTGAACTGATCCAGCTGGTGGCAGTGACACAGAAG
 ACTGCTGAGCGCTCCTACCGGGAGCACATTGAGCAGCAGATCCAGACCTACCAGCGCAGC
 TGGTTAAAGGTGACTGATTACATCGCAGAGAAGAATCTACCTGTGTTCCAGCCGGGAGTC
 AAGCTCCGGGACAAGGAGCGGCAGATTATCAAGGAGCGTTTTAAGGGCTTCAATGATGGC
 CTGAAGAAGTGTGCAAAATCCAGAAGGCTGGGCTATTCAGACACAGAGCAGAGGGAC
 AGGATTGCCAGGCCAGAACACATTGTCAAGGAGACCTACGGGCTTCTACAGAAG
 TTTGGCAGCGTCCCTTACCAAGAACCAGGAGAGTACATCAAGTACGGGGTGGAGCAG
 GTGGGCGACATGATCGATCGCCTTTTCGACACCTCTGCCTGA

Restriction Sites: NotI-NotI

ACCN: NM_015219

Insert Size: 3500 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_015219.2</u> , <u>NP_056034.2</u>
RefSeq Size:	4687 bp
RefSeq ORF:	1962 bp
Locus ID:	23265
UniProt ID:	<u>Q9UPT5</u>
Cytogenetics:	17q25.1
Domains:	Exo70
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 (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>