

Product datasheet for **SC322701**

EXOC3 (NM_007277) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXOC3 (NM_007277) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXOC3
Synonyms:	SEC6; SEC6L1; Sec6p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322701
 CGTAGCCGTAGAGGTGCACAGAGAACACCCCTAGCATGAACAGTGTGAGGATTCCACCAG
 CTTTTTACCATGAAGGAGACAGACCGGGAGGCCGTTGCGACAGCAGTGCAAAGGTTGC
 TGGGATGCTCCAGCGCCCGACCAGCTGGACAAGTGGAGCAGTATCGCAGGAGAGAAGC
 GCGGAAGAAGGCCTCCGTGGAGGCCAGATTGAAGGCCCCATCCAGTACAGTTGGACGG
 GGTGCGCACAGGCCTCAGCCAGCTCCACAACGCCCTGAATGACGTCAAAGACATCCAGCA
 GTCGTGGCAGACGTGAGCAAGGACTGGAGGCAGAGCATCAACACCATTGAGAGCCTCAA
 GGACGTCAAAGACGCGTGGTGCAGCACAGCCAGCTCGCCGACGCCGTGGAGAACCTCAA
 GAACATCTTCTAGTGCCTGAGATTGTGAGGGAGACCCAGGACCTAATTGAACAAGGGGC
 ACTCCTGCAAGCCACCGGAAGCTGATGGACCTGGAATGCTCCCGGGACGGGCTGATGTA
 CGAGCAGTACCGCATGGACAGTGGGAACACGCGTGACATGACCCTCATCCATGGCTACTT
 TGGCAGCACGAGGGCTCTCTGATGAGCTGGCTAAGCAGCTGTGGATGGTGTGTCAGAG
 GTCACTGGTCACTGTCCGCCGTGACCCACCTTGTGGTCTCAGTTGTCAGGATCATTGA
 AAGGGAAGAGAAAATTGACAGGCGCATACTTGACCGGAAAAAGCAAACCTGGCTTTGTTCC
 TCCTGGGAGGCCAAGAATTGGAAGGAGAAAATGTTACCATCTTGGAGAGGACTGTGAC
 CACCAGAATTGAGGGCACACAGGCAGATACCAGAGAGTCTGACAAGATGTGGCTTGTCCG
 CCACCTGGAAATTATAAGGAAGTACGTCCTGGATGACCTCATTGTGCGCAAAAACCTGAT
 GGTTCAGTGCTTCTCCCCACTATGAGATCTTTAAGAACCTCCTGAACATGTACCACCA
 AGCCCTGAGCACGCGGATGCAGGACCTCGCATCGGAAGACCTGGAAGCCAATGAGATCGT
 GAGCCTCTTGACGTGGGTCTTAAACACCTACACAAGTACTGAGATGATGAGGAACGTGGA
 GCTGGCCCCGGAAGTGGATGTCCGCACCCTGGAGCCATTGCTTTTCCACACGTGGTCTC
 TGAGCTGCTTGACACGTACATGTCCACGCTCACTTCAAACATCATCGCCTGGCTGCGGAA
 AGCGCTGGAGACAGACAAGAAAGACTGGGTCAAAGAGACAGAGCCAGAAGCCGACCAGGA
 CGGGTACTACCAGACCACACTCCCTGCCATTGTCTTCCAGATGTTTGAACAGAATCTTCA
 AGTTGCTGCTCAGATAAGTGAAGATTTGAAAACAAGGTACTAGTTTTATGTCTTCAGCA
 GATGAATCTTTCTAAGCAGATATAAAGATGAAGCGCAGCTGTATAAAGAAGAGCACCT
 GAGGAATCGGCAGCACCCCTCACTGCTACGTTTCAAGTACATGATCGCCATCATCAACAAC
 CCAGACCTTCAAGGAATCCATAGTCAAGTTTAAAAAGAAAGTATTTAAAGAATGAAGTGA
 AGAGGGTGTGTCTCCGAGCCAGCCAGCATGGACGGGATTTTAGACGCCATCGCGAAGGA
 GGGCTGCAGCGTTTGTGGAGGAGTCTTCTGGACCTGGAGCAACATCTGAATGAATT
 GATGACGAAGAAGTGGCTATTAGGGTCAAACGCTGTAGACATTATCTGTGTACCCTGGA
 AGACTATTTCAACGATTTTGCCAAAATTAAGAGCCGTATAAGAAGAGGATGACGCGCGA
 GGCGCACCGCGCGTGGTGGTGGAGTACCTGCGGGCGGTGATGCAGAAGCGCATTTCCTT
 CCGGAGCCCGGAGGAGCGCAAGGAGGGTGCCGAGAAGATGGTTAGGGAGGCAGAGCAGCT
 GCGCTTCTGTTCCGGAAGCTGGCGTCCGGTTTCGGGGAAGACGTGGACGGATACTGCGA
 CACCATCGTGGCTGTGGCCGAAGTATCAAGCTGACAGACCCCTCTCTGTCTACCTGGA
 GGTCTCCACTCTGGTCAAGTATCCAGACATCAGGGATGACCACATCGGTGCGCTGTCT
 GGCTGTGCGTGGGACGCCAGCCGTGACATGAAGCAGACCATCATGGAGACCCTGGAGCA
 GGGCCAGCACAGGCCAGCCCCAGCTACGTGCCCTCTTCAAGGACATTGTGGTGGCCAG
 CCTGAACGTGGCAAGCTGCTCAAGTAGCCTCCGCCGGCCTGCCCTGCTCGCCCTCCAC
 AGCCTCGTCCCTGCCTTTAGAAACGCGGGACAGCTGATTGCTCTCCTTGCCACACGTG
 CTCCTTTTAGCTGCACGGCTGTCTTTAGGTGCCAGTGTGATGCACCGGGTGTGCGTCTGA
 GTGAGCGTCCCGAGGCCAGTGCAGGAGGCCCTCACTGTGCTGTCAAAGGCCTGTGGGTG
 CAGGGCTCTGCCGCACAGCCTCTTGGGTGCTTGTGTTGTCAGTGGTTGAAAGTGTGT
 GGGGCACAGAGGACGTGCACCTCCCTGCCCTCCTCCTCCCTGGGCCTTACCAGCACC
 TCTGCTTAAGTGTCTGGAACCCCGTACCTAATTAAGTCTCTCGGCTTCTCAGAAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_007277

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:	NM_007277.4 , NP_009208.2
RefSeq Size:	2774 bp
RefSeq ORF:	2238 bp
Locus ID:	11336
UniProt ID:	O60645
Cytogenetics:	5p15.33
Protein Pathways:	Tight junction
Gene Summary:	The protein encoded by this gene is a component of the exocyst complex, a multiple protein complex essential for targeting exocytic vesicles to specific docking sites on the plasma membrane. Though best characterized in yeast, the component proteins and functions of exocyst complex have been demonstrated to be highly conserved in higher eukaryotes. At least eight components of the exocyst complex, including this protein, are found to interact with the actin cytoskeletal remodeling and vesicle transport machinery. The complex is also essential for the biogenesis of epithelial cell surface polarity. [provided by RefSeq, Jul 2008]