

Product datasheet for **SC127665**

EXOC5 (NM_006544) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXOC5 (NM_006544) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXOC5
Synonyms:	HSEC10; PRO1912; SEC10; SEC10L1; SEC10P
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC127665 sequence for NM_006544 edited (data generated by NextGen Sequencing)

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ATGGCTACCACGGCCGAGCTCTTCGAGGAGCCTTTTGTGGCAGATGAATATATTGAACGT
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GCCCCCTTGCTCGACACTTCAGCTGA

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Clone variation with respect to NM_006544.3
1893 c=>a

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006544 unedited CAAATTTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGGTGACAATGGGA GCAGCGCGGGCGCGCCGGGAGGCAGCTGACAAGCGTTTGCGGCTTCGCTTCATGGCCGC TCTCCCGCCCCTCCTGGGATCTGTGGGGAGCTGGGGAGCCCGCAGCGCCCGGAGCCGGA GCTGGCGAGCCGAGCGGAGACCTGTGCGCCGCGCCTCTGAGGCGCAGCATGTGAAGCGGA GACGGCATCCAGTGGGGGGCAGCCTCTCAGCCGGCCGGGATGGCTACCACGGCCGAGCT CTTCGAGGAGCCTTTTGTGGCAGATGAATATATTGAACGCTTTGTATGGAGAACCCAGG AGGAGGCTCTAGAGGTGGACCTGAAGCTTTTGATCCTAAAAGATTATTAGAAGAATTTGT AAATCATATTCAGGAACCTCAGATAATGGATGAAAGGATTAGAAGAAAGTAGAGAACT AGAGCAACAATGTGAGAAAGAAGCCAAGGAATTTGCCAAGAAGGTACAAGAGCTGCAGAA AAGCAATCAGGTTGCCTTCCAACATTTCCAAGAACTAGATGAGCACATTAGCTATGTAGC AACTAAAGTCTGTACCTTGGAGAACAGTTAGAGGGGGTAAACACACCCAGACAACGGGC AGTGGAGGCTCAGAAATTGATGAAATACTTTAATGAGTTTCTAAATGGAGAATTGAAATC TGATGTTTTTACAAATTCTGAAAAATAAGGAAGCAGCAGACATCATTGAGAAGTTGCAC CTAATTGCCAGNAAGNTACNNTTGTAGAAATTTCAAAGTTAATNCAAAATTCANGTA ATACCATGATTAAATGCAGCTATTGAGAGTTTACAGGCTAAAAAAGGTGAATCTCAAAT GAAAAATAGCACAGTTTACTCATTTAAGGTATCCCATGGGGTGATGTATTTAAGATGCA AAA
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006544 unedited TTAGCTCTGGACCCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTGCAGGG AATTTGTTTATTGAGCATTAAATGTTAACAACCTTTTAAATTAAGTATTCACCTACGAATTTT GTCACTGTCCTATCAACGACATAATAGAAAATATTGCACAGAACTCAAACATGAAAATA ATAAACAAAATAACTAAGCAACAAGTATATGCTTTACATTTTAAAAATTAATCCAAACAA AATAATTTGAAGCACTTCTCTGATTGGAAGTCTTAAATGTTATCTCATGTTTTATTTG AGATTTTTTTTTCGTTTTTCTTTTTTACAAATTGACACTGTACAAAGAGCTTAAATGGCC AGTAAACTACTGCCTTAAATTTGTTGGCTTTAAGTAACAGAGGTAAATTTGAATTCAC ATCAGAGCTTTCTAAATGGCAATAGTACAAGCAAAATGACTTTCTCTAGTATCCAAAACC TGCGCTGGCTCTCCCTTGGCTAGAAACAAGACAGCCTTCTAAAGCTGCCATAATGTCCTA AAATGCTCTGAAAGAAGTTGGTATACTTCATTTCCCGAGCTTACCTTGGTAACACTGGACT AAACAGAAAAATGAAGAAAATTCAGTCAATAGTAACTTAAACAGTACTAAGTTAGCTCTGG ACTTANAAAGTTTGGGAAAGTTGATGACATTGAGAATAAGGTTCTCAGAAAGAAAGCAGT TTTCCAAAATAAGCTAAAAGCCTATATTAAGAAAAAAGCCAAGAGTGAATTGAATACTT AGTTTATCTGTTCTAAANGACTATGAACACCACATGGGGACCTGAAACCTATATATAAT AAGAAGCTTTCTCCAGAACAGGTTATAGGGTTAAAAAACAAGCCTTTCTAAATTCACC CGAAATTTAAATTTATAAGGATTAATATGCCTAAAATACCAATTCCTTACCTTTTCCAGA GGG
Restriction Sites:	NotI-NotI
ACCN:	NM_006544
Insert Size:	4000 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_006544.2](#), [NP_006535.1](#)

RefSeq Size: 7596 bp

RefSeq ORF: 2127 bp

Locus ID: 10640

UniProt ID: [O00471](#)

Cytogenetics: 14q22.3

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]