

Product datasheet for **SC100885**

EXOC6 (NM_019053) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXOC6 (NM_019053) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXOC6
Synonyms:	EXOC6A; SEC15; SEC15L; SEC15L1; SEC15L3; Sec15p
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 SC100885 sequence for NM_019053 edited (data generated by NextGen Sequencing)

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ATGGCGGAGAACAGCGAGAGTCTGGGCACCGTCCCCGAGCAGCAGCGGATCTTGCAGGAG
ATCGAGAGCACCACACCGCCTGTGTGGGGCCACCTCCGGTCTGTGTATGATGACCAA
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Clone variation with respect to NM_019053.4
1187 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_019053 unedited
TCAAAATTTGTAATACGACTCACTATAGGGCGGCCGCGAAATTCGCACGAGCTTCCACCA
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_019053 unedited
TAGCTTTGAACCCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTCAACAAC
TTGCTCAATATTTTAAATTTTCATCAGAAAATCCAGAGATGTACATATAATTCTTTACA
CTTATTTTACAGAATCAGGCATAGTTTCTTACAGGCCTAAATCCTGAAAAGGCAAGGGA
AGATTCAGCATAAATACAACAAAGGAGAAATAAAGACTGGATTTATATTGCCATTTGGAC
CACGGAACATACACAAAGGAAATGTACATTTGTTTTAGGTTTTCCAGAGTTTCAATTTGG
TTTGGCTTGTTCACAAATGAGGATAAAGTACTGAAATCTGCTATTTGAAAAAGTAACC
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AAACAACACTGCATCTTTAAAAAATCCAAACCTTTTGTTCATATTCAGAACGATTAAAT
TAAACCAACCAAGTAGAACAAATAATTACATTCTTACTGAGTTAAATCAAGTTTGATTT
CAGGCAGCTTTTAAATTTGTCTATTTCCCTTCAGAATTAGCAGAATTAGAAATTTTGG
TCTGCTTAAATCACATTGAGGTGAAAAATAAAGCTAAAGTCAGAAAAATGGTAGTGAAAT
ACTACCATATCAGACATGATTGAATTCAGCCATATACTGATCAAAAACAGATTATCAT
TCAAGTCTAAATAGAAAAAATACTTATGAGTAGAGGCAATATGTTTTCAAATGATTTGT
AATCAATTCAGTATAANTTGTGACATTATGTATTACACTTGCATTTCCCTAAAN

Restriction Sites:

NotI-NotI

ACCN:

NM_019053

Insert Size:

3650 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:	<u>NM_019053.3, NP_061926.3</u>
RefSeq Size:	3606 bp
RefSeq ORF:	2415 bp
Locus ID:	54536
UniProt ID:	<u>Q8TAG9</u>
Cytogenetics:	10q23.33
Domains:	Sec15
Gene Summary:	The protein encoded by this gene is highly similar to the <i>Saccharomyces cerevisiae</i> SEC15 gene product, which is essential for vesicular traffic from the Golgi apparatus to the cell surface in yeast. It is one of the components of a multiprotein complex required for exocytosis. The 5' portion of this gene and two neighboring cytochrome p450 genes are included in a deletion that results in an autosomal-dominant form of nonsyndromic optic nerve aplasia (ONA). Alternative splicing and the use of alternative promoters results in multiple transcript variants. A paralogous gene encoding a similar protein is present on chromosome 2. [provided by RefSeq, Jan 2016] Transcript Variant: This variant (1) lacks two 5' exons but instead contains an alternate 5' terminal exon, and it thus differs in the 5' UTR and 5' coding region, compared to variant 3. The encoded isoform (a) has a distinct and shorter N-terminus, compared to isoform c.