

Product datasheet for **RC206163**

EXOC6 (NM_019053) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXOC6 (NM_019053) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EXOC6
Synonyms:	EXOC6A; SEC15; SEC15L; SEC15L1; SEC15L3; Sec15p
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC206163 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGAACAGCGAGAGTCTGGCACCGTCCCGAGCACGAGCGGATCTTGCAGGAGATCGAGAGCA
CCGACACCGCCTGTGTGGGGCCACCCTCCGGTCTGTGTATGATGACCAACCAAATGCGCACAAGAAGTT
TATGAAAAGTTAGATGCTTGTATCCGTAAATCATGACAAGGAAATTGAAAAGATGTGAATTTTCATCAT
CAGGGTTTTGTAGATGCTATTACAGAACTCTTAAAGTAAGGACTGATGCAGAAAACTGAAGGTGCAAG
TACTGATACCAACCGAAGGTTTCAAGATGCTGGAAAAGAGGTGATAGTCCACACAGAAGATATCATTCCG
ATGTAGAATTGAGCAGAGAAATATTACAACGTAGTAGAAAAATTGCAGTTATGCCTTCTGTGCTAGAA
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TCTGACAAAATAGGTGAAACAGCAATGAAACAGGCACAGCATCAGAAAACCTTCAGTGTTTTCTGCGAGA
AACAAAATAAAATGAAATTTGGGAAAAATATGTATATAAATCGTGATAGAAATCCAGAGGAAAGGATGA
AACTGTATTGAAACATTCACCTTGAAGAAGAGGATGAGAATGAAGAAGAGATCTTAACTGTTGAGGATCTT
GTTGATTTTTCCCTGTTATCGATGTTTGACATTTATTCTGTTTTGGGTGACGAGGAAACATTTGAAA
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AGTTGATGGCTATAGAAGATTTCACTCAAATGTAGGGTCTTTGTGGTAGAAGATCACATTTTACAT
GTGACCAAGGATTAGTAACAGGGCATACTGATGAACCTTGGAAACATGGCCCTCTCAAAGATAATTG
CTGTCCTTAGAGCTCATTCACTCTATTGCACTGATCCTGATCTTGTCTGGAGCTGAAGAATCTTATTGT
AATATTTGCAGATACTTTACAGGGTTATGGTTTTCCAGTGAACCGACTTTTTGACTTTTATTTGAAATA
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ATTACAGCCCATCCCTGTTGTCAATGAAGAAGAAATAAAAATGTCATCAGCAAATTTCCCTTTCAAGA
TCCAGACCTTGAAGCAGTCTTTCCAAAGAAATTTCCCATGTCTCAGTCAGTGCCTCATATTTACATT
CAAGTTAAAGAATTTATTTATGCCAGCCTTAAATTTTCCAGAGTCACTACACCGGAGCTCAACAGAAATAG
ACGATATGCTTAGAAAATCAACAAATCTGCTGCTGACCAGAACTTTGAGTAGCTGTTTACTGAACCTTAT
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AAAAATTGATGAATTTGTTGAGCTTGTGATTATGACTGGACAATGTCTGAGCCAGATGGAAGAGCTAGT
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TTGCTCAGACAGCTTGCATGTCAGCCTGCCAGCATCTGTCAACATCCTTAAATGCAGATGCTACTGGACAG
TGAGTTAAAACAATAAGCATGGGAGCTGTTGAGCAGTTAACTTAGATGTCATACAGTGTGAATGTTT
GCCAGCTCTGAGCCTGTGCCAGGATCCAGGGGATACCCTGCAGCTAGCATTATTGACCTCAGACAAC
TCCTTGACCTGTTTATGGTTTGGGATGGTCTACTTACCTAGCTGATTATGGGCAGCCAGCTTCTAAGTA
CCTTCGGGTGAATCCAAACACAGCCCTTACTCTTTGGAGAAGATGAAGGATACTAGCAAAAAGAACAAT
ATATTTGCTCAGTTCGGGAAGAATGATCGAGACAAACAGAAGTTGATAGAGACAGTCGTGAAACAGCTGA
GAAGTTTGGTGAATGGTATGTCCAGCACATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC206163 protein sequence
Red=Cloning site Green=Tags(s)

MAENSESLGTVPEHERILQEIESTDTACVGPTLRSVYDDQPNAHKKFMEKLDACIRNHDKEIEKMCNFHH
QGFVDAITELLKVRTDAEKLKVQVDTNRRFQDAGKEVIVHTEDIIRCRIQQRNITTVVEKLQLCLPVL
MYSKLKEQMSAKRYYSALKTMEQLENVYFPWVSQYRQCQLMIENLPKLREDIKEISMSDLKDFLESIRKH
SDKIGETAMKQAQHQKTFVSLQKQNKMKFGKNMYINRDRIPERNETVLKHSLEEEEDENEEIILTVQDL
VDFSPVYRCLHIYSVLGDEETFENYYRKQRKKQARLVLPQSNMHETVDGYRRYFTQIVGFFVVEDHILH
VTQGLVTRAYTDELWNMALSKIIAVLRAHSSYCTDPDLVLELKNLIVIFADTLQGYGFPVNRLFDLLFEI
RDQYNETLLKKWAGVFRDIFEEDNYSPIPVVNEEEYKIVISKFPFQDPDLEKQSFPPKFPMSQSVPHIYI
QVKEFIYASLKFSESLHRSSTEIDDMLRKSTNLLLTRTLSSCLLNLIRKPHIGLTELVQIIINTTHLEQA
CKYLEDFITNITNISQETVHTTRLYGLSTFKDARHAAEGEITYTKLNQKIDFVQLADYDWTMSEPDGRAS
GYLMDLINFLRSIFQVFTHLPGKVAQTACMSACQHLSTSLMQMLLDSELKQISMGAVQQFNLDVIQCELF
ASSEPVPGFQGDTLQLAFIDLRQLLDLFMVWDWSTYLADYGPASKYL RVPNTALTLLEKMKDTSKKN
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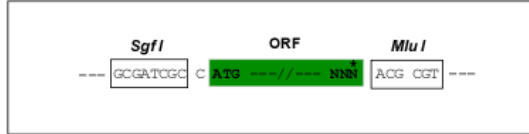
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6535_g05.zip

Restriction Sites: Sgfl-MluI

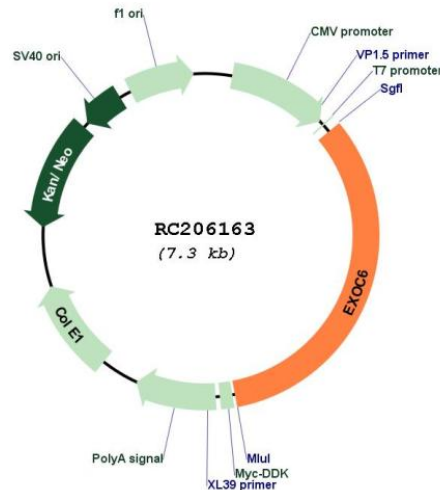
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_019053

ORF Size: 2412 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

RefSeq: [NM_019053.6](#)

RefSeq Size: 3637 bp

RefSeq ORF: 2415 bp

Locus ID: 54536

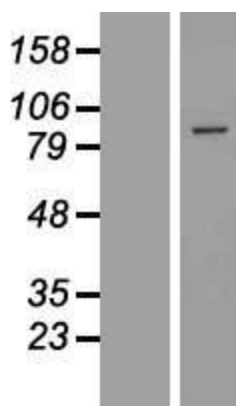
UniProt ID: [Q8TAG9](#), [B2RDH5](#)

Domains: Sec15

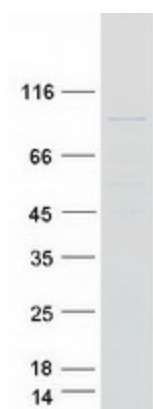
MW: 93.6 kDa

Gene Summary: The protein encoded by this gene is highly similar to the *Saccharomyces cerevisiae* 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]

Product images:



Western blot validation of overexpression lysate (Cat# [LY412792]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206163 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified EXOC6 protein (Cat# [TP306163]). The protein was produced from HEK293T cells transfected with EXOC6 cDNA clone (Cat# RC206163) using MegaTran 2.0 (Cat# [TT210002]).