

Product datasheet for **RG206163**

EXOC6 (NM_019053) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXOC6 (NM_019053) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EXOC6
Synonyms:	EXOC6A; SEC15; SEC15L; SEC15L1; SEC15L3; Sec15p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG206163 representing NM_019053
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCGGAGAACAGCGAGAGTCTGGGCACCGTCCCCGAGCAGAGCGGATCTTGCAGGAGATCGAGAGCA
 CCGACACCGCCTGTGTGGGGCCACCCTCCGGTCTGTGTATGATGACCAACCAATGCGCACAAGAAGTT
 TATGGAAGTTAGATGCTTGTATCCGTAATCATGACAAGGAAATTGAAAAGATGTGTAATTTTCATCAT
 CAGGGTTTTGTAGATGCTATTACAGAACTCCTTAAAGTAAGGACTGATGCAGAAAACTGAAGTGCAAG
 TTAAGTATACCAACCGAAGGTTTCAAGATGCTGGAAGAGGATGATGCCACACAGAAGATATCATTTCG
 ATGTAGAATTCAGCAGAGAAATATTACAAGTGTAGTAAAAATTCAGTTATGCCTTCTGTGCTAGAA
 ATGTACAGTAAGCTGAAAGAACAGATGAGTGCCAAAAGGTAATTTCTGCCCTAAAACTATGGAACAAT
 TAGAGAATGTGTACTTTCCCTGGGTTAGTCAATACCGGTTTTGTCAGCTCATGATAGAAAATCTTCCCA
 ACTCCGTGAGGATATTAAGAAATCTCCATGTCTGATCTCAAAGACTTTTTGGAAGTATTCGAAAACAT
 TCTGACAAAATAGGTGAAACAGCAATGAAACAGGCACAGCATCAGAAAACCTTCAGTGTTTCTCTGCAGA
 AACAAAATAAAATGAAATTTGGGAAAAATATGTATATAAATCGTGATAGAATTCAGAGGAAAGGAATGA
 AACTGTATTGAAACATTCACCTTGAAGAAGAGGATGAGAATGAAGAAGAGATCTTAACTGTTCAAGATCTT
 GTTGATTTTTCCCTGTTTATCGATGTTTGACATTTATTCTGTTTTGGGTGACGAGGAAACATTTGAAA
 ACTATTATCGAAAACAAAGAAAGAAACAAGCAAGACTGGTATTGCAACCCAGTCGAATATGCATGAAAC
 AGTTGATGGCTATAGAAGATTTCACTCAAATGTAGGGTCTTTGTGGTAGAAGATCACATTTTACAT
 GTGACCAAGGATTAGTAACAGGCATACACTGATGAATTTGGAACATGGCCCTCTCAAAGATAATTG
 CTGTCCTTAGAGCTCATTATCTATTGCACTGATCCTGATCTTGTCTGGAGCTGAAGAATCTTATTGT
 AATATTTGCAGATACTTTACAGGGTTATGGTTTTCCAGTGAACCGACTTTTTGACCTTTTATTTGAAATA
 AGAGACCAATACAATGAAACACTGCTTAAGAAATGGGCTGGAGTTTTTCAGGGACATTTTTGAAGAAGATA
 ATTACAGCCCATCCCTGTTGTCAATGAAGAAGATATAAAATTTGCATCAGCAAATTTCCCTTTCAAGA
 TCCAGACCTTGAAAAGCAGTCTTTCCAAAGAAATTTCCCATGTCTCAGTCAGTGCCTCATATTTACATT
 CAAGTTAAAGAATTTATTTATGCCAGCCTTAAATTTTCAGAGTCACTACACCGGAGCTCAACAGAAATAG
 ACGATATGCTTAGAAAATCAACAAATCTGCTGCTGACCAGAACTTTGAGTAGCTGTTTACTGAACCTTAT
 TAGAAAACCTCATATAGGTTTGACAGAGCTGGTACAAATCATATAAACACAACACACCTGGAGCAAGCT
 TGTAAATATCTTGAGGACTTTATAACTAACATTACAAATATTTCCCAAGAACTGTTTCACTACAAGAC
 TTTATGGACTTTTACTTTCAAGGATGCTCGACATGCAGCAGAAGGAGAAATATATACAAACTGAATCA
 AAAAAATTGATGAATTTGTTCAAGCTTGTGATTATGACTGGACAATGTCTGAGCCAGATGGAAGAGCTAGT
 GGTTATTTAATGGACCTTATAAATTTTTGAGAAGCATCTTCAAGTGTTTACTCATTTGCTGGGAAAG
 TTGCTCAGACAGCTTGCATGTCAGCCTGCCAGCATCTGTCAACATCCTTAATGCAGATGCTACTGGACAG
 TGAGTTAAACAAATAAGCATGGGAGCTGTTGAGCAGTTAACTTAGATGTCATACAGTGTGAATTGTTT
 GCCAGCTCTGAGCCTGTGCCAGGATTCAGGGGGATACCTGCAGCTAGCATTATTGACCTCAGACAAC
 TCCTTGACCTGTTTATGGTTTGGGATTGGTCTACTTACCTAGCTGATTATGGGCAGCCAGCTTCTAAGTA
 CCTTCGGGTGAATCCAAACACAGCCCTTACTCTTTGGAGAAGATGAAGGATACTAGCAAAAAGAACAAT
 ATATTTGCTCAGTTCGGGAAGAATGATCGAGACAAACAGAAGTTGATAGAGACAGTCGTGAAACAGCTGA
 GAAGTTTGGTGAATGGTATGTCCAGCACATG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG206163 representing NM_019053
 Red=Cloning site Green=Tags(s)

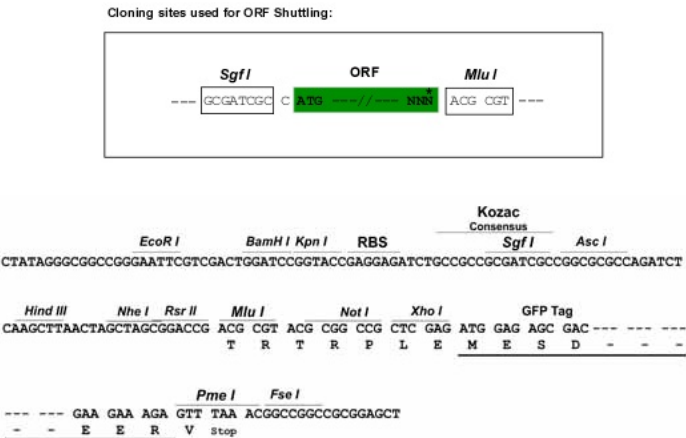
MAENSESLGTVPEHERILQEIESTDTACVGPTLRSVYDDQPNNAHKKFMEKLDACIRNHDKEIEKMCNFHH
 QGFVDAITELLKVRTDAEKLKVQVTDNRRFQDAGKEVIVHTEDIIRCRIQQRNITTVEKLQLCLPVLE
 MYSKLKEQMSAKRYYSALKTMEQLENVYFPWVSQYRFCQLMIENLPKLREDIKEISMSDLKDFLESIRKH
 SDKIGETAMKQAQHQKTFVSLSLQKQNMKGKKNMYINRDRIPEERNETVLKHSLEEEEDENEEIILTVQDL
 VDFSPVYRCLHIYSVLGDEETFENYYRKQRKKQARLVLPQSNMHETVDGYRRYFTQIVGFFVVEDHILH
 VTQGLVTRAYTDELWNMALSKIIAVLRAHSSYCTDPLVLELKNLIVIFADTLQGYGFPVNRLFDLLFEI
 RDQYNETLLKKWAGVFRDIFEEDNYSPIPVVNEEEYKIVISKFPFQDPDLEKQSFPPKFPMSQSVPHIYI
 QVKEFIYASLKFSESLHRSSTEIDDMRLKSTNLLLTRLSSCLLNLIRKPHIGLTELQIIINTTHLEQA
 CKYLEDFITNITNISQETVHTTRLYGLSTFKDARHAAEGEITYTKLNQKIDFVQLADYDWTMSEPDGRAS
 GYLMDLINFLRSIFQVFTHLPGKVAQTACMSACQHLSTSLMQMLLDSELKQISMGAVQQFNLDVIQCELF
 ASSEPVPGFQGDTLQLAFIDLRQLLDLFMVWDWSTYLADYGQPASKYLVRNPNTALTLEKMKDTSKKN
 IFAQFGKNDRDKQKLIETVVKQLRSLVNGMSQHM

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



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.
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_019053.3](#), [NP_061926.3](#)

RefSeq Size: 3606 bp

RefSeq ORF: 2415 bp

Locus ID: 54536

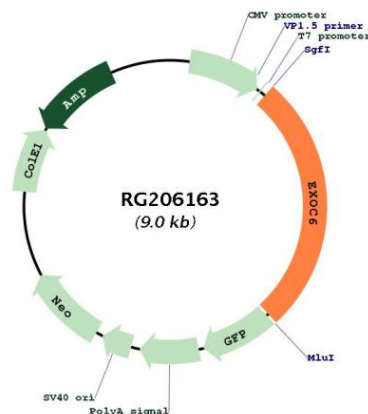
UniProt ID: [Q8TAG9](#)

Cytogenetics: 10q23.33

Domains: Sec15

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:



Circular map for RG206163