

## Product datasheet for **MG211361**

### Exoc4 (NM\_009148) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Exoc4 (NM_009148) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Exoc4
Synonyms:	C78892; Sec8; Sec8l1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG211361 representing NM\_009148  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGCAGAAGCAGCTGGTGGGAAATACAGGAGCACAGTCAGCAAAGCAAAGACCCCTCGGGGCTGC  
 TCATCTCGGTGATCAGGACTCTGTCTACCAGTGATGATGTTGAAGACCGAGAAAATGAGAAAAGGTCGCCT  
 TGAAAGAAGCCTATGAGAAGTGTGACCGTGACCTGGATGAATTGATCGTTACGACTACACAGAATTGACC  
 ACAGCCATTTCGCACATACCAGAGTATCACAGAACGCATCACTAACTCGAGGAATAAAATCAAGCAGGTCA  
 AAGAGAATCTGCTTCTGCAAGATGCTGCTGCATTGCAAACGGGATGAGCTTCGTAAGCTGTGGATTGA  
 AGGAATCGAGCATAAGCACGCTCTGAACCTACTGGATGAGATTGAGAACATCAAGCAAGTGCCTCAAAG  
 CTGGAACAGTGCATGGCCAGCAAGCACTACCTCAGCGCCACCGACATGCTGGTGCAGCAGTGGAGTCCC  
 TGGAGGGTCCACTGCTCCAGGTGGAAGGGCTCAGTGATCTCAGGCTGGAACCTCACAGCAAGAAGATGAA  
 CCTGCACTTGGTTCTCATAGAGGAACTGCACCGCCATCTGTATATCAAATCCACTAGCCGGTGGTACAG  
 CGTAACAAGGAAAAGGGGAAGATGAGTTCTCATGGCAAAGATCCCTCTCCTGGTCTCTGATTGATGTTT  
 CAAACATCCCTACTCCACGCAAATTCCTTGATGCTTCTCAATATTCTGCTGCTGGAGGCTCAAGTGTGAG  
 GGAGATGAACCTGCAAGACGTC AAGGAGGACTTGGAGTGTGACCCAGAGGAGAACAGCACTCTTTTCATG  
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 TGGAGCAGGAGCTAAAGCAGATTGTGAAGAGGTCAACCACCCAGGTAGCAGACAGTGTATCAGAGGGG  
 AGAGAGCCTCACTGTGGACAATCAGCCAAGTTACTCCTAGAAGTGTGGAAGTGTGTTGATAAGTTT  
 AATGCCGTAGCCACTGCACACTCAGTGGTCTGGGGTACCTCCAGGACTCTGTTGGGACCCAGCTAACAC  
 AGCAGGAGGAGATCAAATTATATGACATGGCAGATGTGTGGTGAAGATCCAGGATGTGCTGCAGATGCT  
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 AGTTTGAATCATCCTCCCATGCTATCAGCATGAGCGCCTATCTCCGAGAACAAGAAGGGAGCTCTACAG  
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 AAACCTGGAGCCAGAAAATATTACCGTCATATCCATCCATTACTGAGATTTATTCAGGAGATTGAACATG  
 CCCTGGGACTTGGCCCTGCCAACAGTGTCTCTCGAGAGTTTCTTACCGTGTATATCAAGAGCATCTT  
 CCTAATCAGGTCTTGGCTGAGATCAACAAGGAGATTGAAGGTGTACCAAAAACCTCAGACCCTTGAAG  
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 GAAGAGAAAATTGTCATCAGTGCATCTTGGGCAAAGGATGATGATATCAGCAGACTCTTGAATCGCTGC  
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 GGCAGCCTTTGGCAAGGAGTCTGAAGTCTGATTGGAAACCTTGGTGACAAAACCTATTCTCCACAAGAC  
 ATTCTCCGTGACGTTAGTGACCTCAAAGCCTTGGCCAACATGCACGAAAGCCTGGAATGGCTGGCAGGTC  
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 GCTCAACAAGACATCAGTGCCATGGAAGAGGCCATGAGCGCCAGCCTCCAGCAACATAAGTTCCAGTAC  
 ATCTTTGAAGGTCTGGGACACCTCATCTCTGTATCCTCATTAAATGGGGCCCAATACTTCCGGCGCATCA  
 GTGAGTCTGGCATCAAGAAAATGTGTAGGAACATTTTTGTTCTTACGAGAACTTGACCAACATCACCAT  
 GTCACGGGAGGCAGACTTGGACTTTGCAAGGCAGTACTACGAGATGCTGTACAACACAGCCGACGAGCTC  
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 ACCGAAGCCAGACTGGTGTGGGGACCAGACCACCCAGAACCAGGCTGCAGAGACTCAAGGAGATCAT  
 CTGTGAGCAGGCTGCCATCAAGCAAGCCACCAAGGACAAGAAAATAACCACTGTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG211361 representing NM\_009148  
 Red=Cloning site Green=Tags(s)

MAAEAAGGKYRSTVSKSKDPSGLLISVIRLSTSDVEDRENEKGRLEEAYEKCDRDLDELIVQHYTELT  
 TAIRTYQSITERITNSRNKIKQVKENLLSCKMLLHCKRDELRLKWIIEGIEHKHVLNLLDEIENIKQVPQK  
 LEQCMASKHYLSATDMLVSAVESLEGPLLQVEGLSDLRLELHSHKMNHLVLEELHHRHLYIKSTSRVVQ  
 RNKEKGKMSHGGKDPSPGPLIDVSNIPTRKFLDASQYSAAGGSSVREMNLQDVKEDLECDPEENSTLFM  
 GILIQGLARLKKIPETVKAIKERLEQELKQIVKRSTTQVADSAYQRGESLTVDNQPRLLLELLELLFDKF  
 NAVATAHSVVLGYLQDSVGTQLTQQEEIKLYDMADVWVKIQDVLQMLLLEYLDMKNTRTASEPSAQLSYA  
 STGREFAAFFAKKKPQRPKNSLFKFESSHAISMSAYLREQRRELYSRGELQGGPDDNLEGGGTFKVC  
 KPGARNITVIFHPLLRFIQEIEHALGLGPAKQCPLREFLTVYIKSIFLNQVLAEINKEIEGVTKTSDPLK  
 ILANADTMKVLGVQRPLLQSTIIVEKTVQDLMNLMHDLAYSQDQFLNMVCKLQEKDTCSTAYRGIVQS  
 EEKLVISASWAKDDDISRLKSLPNWNTMAQPKQLRPKREEEEDFIRAAFKESEVLIGNLGDKLIPPQD  
 ILRDVSDLKALANMHESLEWLAGRTKSAFNLSTSQMLSPAQESHVMDLPPVSEQIMQTLSELAKTFQD  
 MADRCLLVHLVVRVHCFHYLIPLAKEGNYAIVANVESMDYDPLVVKLNKDISAMEEAMSASLQQHKFQY  
 IFEGLGHLISCILINGAQYFRRISESGIKKMCRNIFVLQQLNTNITMSREADLDFARQYEMLYNTADEL  
 LNLVVDQGVKYTELEYIHALTLLHRSQTGVGDQTTQNTLQRLKEICEQAAIKQATKDKKITT

TRTRPLE - GFP Tag - V

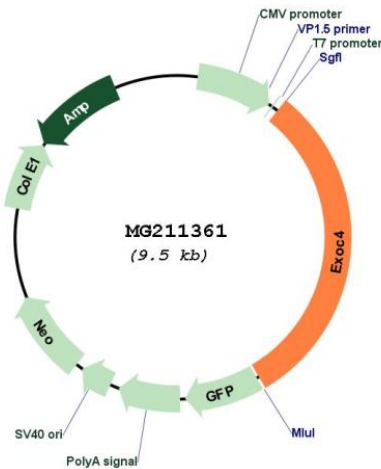
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**


**ACCN:** NM\_009148

**ORF Size:** 2925 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.

**RefSeq:** [NM\\_009148.2](#)

**RefSeq Size:** 3723 bp

**RefSeq ORF:** 2928 bp

**Locus ID:** 20336

**UniProt ID:** [O35382](#)

**Cytogenetics:** 6 14.59 cM

**Gene Summary:** Component of the exocyst complex involved in the docking of exocytic vesicles with fusion sites on the plasma membrane.[UniProtKB/Swiss-Prot Function]