

Product datasheet for **MG210184**

Exoc5 (BC049967) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Exoc5 (BC049967) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Exoc5
Synonyms:	SEC10, PRO1912
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG210184 representing BC049967
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCACGACGGCCGAGCTCTTCGAGGAGCCTTTTGTGGCCGATGAATACATTGAACGTCTCGTGTGGA
 GAACCCCGGAGGTGTTCTAGGGGTGGACCTGAAGCTTTTATCCTAAAAGTTATTAGAAGAATTTGT
 GAATCATATTTCAAGAAGCTGCAGATAATGGATGAAAGGATTCAAAGGAAAGTGGAGAAATAGAACAGCAG
 TGTGAGAAGGAAAGCTAAGGAGTTTCTAAGAAGGTACAGGAGCTCCAGAAAAGCAACCAGGTTGCTTTCC
 AACATTTCCAAGAAGCTAGATGAGCACATTAGCTATGTAGCTACCAAAGTGTGCACCTTGGAGACCAGTT
 GGAAGGGGTAAACACACCTAGGCAACGTGCAGTGGAGGCACAGAAATGATGAAATACTTTAATGAGTTT
 CTAGATGGAGAATTGAAATCTGATGTTTTTACAAATCTGAAAAGATAAAGGAAGCAGCAGACGTCATTC
 AAAACTGCATCTGATTGCCAGGAGTTACCTTTCGATAGGTTTTTCAAGTAAAATCAAAAATTGCAAG
 TAAATACCATGACTTAGAATGCCAGCTGATTCAGGAGTTTACAAGTGCCCAAAGAAGAGGGGAGGTCTCC
 CGGATGAGGGAGGTGGCTGCAGTCTCCTTCATTTAAGGGTTATTCCTATTGTATTGATGTTTATATAA
 AGCAGTGCAGGAGGGTCTTACTTGAGAAATGACATATTTGAAGATGCAGCAATACTCTGTGCAGCGAGT
 GAACAAGCAGGTTGGAGACATCTTTAGTAATCCAGAAGCAGTGCCTGGCTAAGCTTATTCAGAGTGTGTT
 GAAATCAAACACAGAGTTTGTGAAGGATCAGTTAGAAGAAATGAGGAAATCTGATGCTGAGCAGTATC
 TAAAAGTCTCTATGATCTGTATAACAAGAACCCGGTCTTTCCAGCAAATGATGGAGTTTAACTTAGG
 TACTGATAAACAGACTTTCTGTCTAAGCTTATCAAATCCATTTTCATTCCTATCTGGAGAAGTATATT
 GAAGTGGAGATTGGATATTTGAAAAGCAGAAGTCTATGATCCTACAGCGCTATTATGATCAAAAAACC
 ACCAAAAGAGATCCATTGGCACAGGAGGTATTCAGATTTGAAAAGAAAGGATTAGACAACGTACCAACTT
 ACCACTGGGGCCAAGTATTGATACACATGGGGAAACTTTCTATCTCAAGAAGTGGTAGTTAATCTTTTA
 CAAGAAACCAAACAAGCCTTTGAAAAGTGTATAGGCTTTCTGATCCTTCTGATTTACCAAGGAATGCCT
 TTAGAATTTTTACCATTCTGTGGAATTTTTATGATTGAGCATATTGATTATGCTTTAGAAAACGGGTCT
 TGCTGGAATCCCATCATCAGATTCTAGGAATGCAAATCTACTTTTTGGATGTTGTACAACAGGCCAAT
 ACTATTTTTCTCTTTTTGACAAACAGTTTAAATGATCACCTAATGCCACTAATAAGCTCTTCTCCTAAGT
 TATCTGAATGCCTCCAGAAGAAAAAGAGATAATTGAGCAGATGGAGATGAAATGGATACTGGCATTGA
 TAGGACATTAATTTGATGATTGGACAGATGAAGCATATCTGGCTGCAGAACAAAAGAAAACAGATTTT
 AAGCCAGAAGATGAGAACAATGTTTTGATTCAGTATACTAATGCATGTGTAAAAGTTTGTGTTTATGTAA
 GAAAACAAGTTGAGAAGATTAATAATCCATGGATGGGAAGAATGTGGACACAGTTCTGATGGAAGTTGG
 AGTACGTTTTTCATCGGCTTATTTATGAACATCTTCAACAATATTCCTATAGTTGTATGGGTGGCATGCTT
 GCAATTTGCGACGTGGCTGAGTATAGAAAATGTGCCAAAGACTTCAAGATTCCAATGGTATTACATCTTT
 TTGATACTCTGCATGCACCTTTGCAATCTCCTGGTCGTGGCTCCAGATAATTTAAAACAAGCTGCTCGGG
 AGAACAAGTTGCCAATCTGGACAAGAACAATACTCCACTCCTTTGTACAACCTCGTGTGACTATAGATCT
 GCCCGCTAGCGCGACACTTCAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210184 representing BC049967
 Red=Cloning site Green=Tags(s)

MATTAELFEFPVADEYIERLVWRTPGGGSRGGPEAFDPKRLLEEFVNHIQELQIMDERIQRKVEKLEQQ
 CQKEAKEFAKKVQELQKSNQVAFQHFQELDEHISYVATKVCHLGDQLEGVNTPRQRAVEAQKLMKYFNEF
 LDGELKSDVFTNSEKIKEAADVIQKLHLIAQELPDRFSEVKSKIASKYHDLQCQLIQEFTSAQRERGEVS
 RMREVAAVLLHFHFKGYSHCIDVYIKQCQEGAYLRNDIFEDAAILCORVKNQVGDIFSNPEAVLAKLIQSVF
 EIKLQSFVKDQLEECRKSDAEQYLKSLYDLYTRTTGLSSKLMFNLGTDKQTFLSKLIKSIKSYLENYI
 EVEIGYLKRSAMILQRYYDSKNHQKRSIGTGGIQDLKERIRQRTNPLGPSIDTHGETFLSQEVVNNLL
 QETKQAFERCHRLSDPSDLPRNAFRIFTILVEFLCIEHIDYALETGLAGIPSSDSRNANLYFLDVVQQAN
 TIFHLFDKQFNDHLMPLISSPKLSECLQKKKEIEEQMEMKLDGTIDRTLNCMIGQMKHILAAEQKKTDF
 KPEDENNVIQYTNACVKVCVYVRKQVEKIKNSMDGKNVDTVLMELGVRFHRLIYEHLQQYSYSCMGGMML
 AICDVAEYRCKAKDFKIPMVLHLFDLHALCNLLVVPDNLKQVCSGEQLANLDKNILHSFVQLRADYRS
 ARLARHFS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC049967

ORF Size: 2124 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: [BC049967](#), [AAH49967](#)

RefSeq Size: 2613 bp

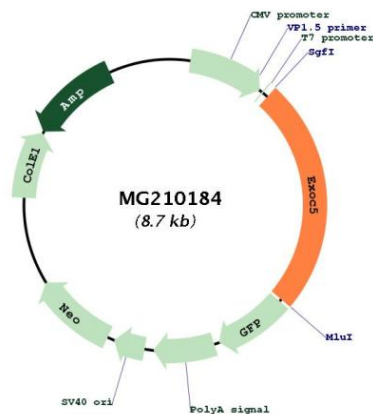
RefSeq ORF: 2126 bp

Locus ID: 105504

Cytogenetics: 14 C1

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]

Product images:



Circular map for MG210184