

Product datasheet for **MG210485**

Exoc3 (NM_177333) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Exoc3 (NM_177333) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Exoc3
Synonyms:	2810050O03Rik; E430013E20Rik; Sec6; Sec6l1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210485 representing NM_177333
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGCAAAGATTCTGCCTGCTTTTTGACAATGAAGGAGACAGACCTGGAGGCTGTTGCAACAGCAGTCC
 AAAGGGTTGCTGGGATGCTTCAGCGCCAGACCAACTGGACAAAAGTGGAGCAGTATCGCAGAAGGGAAGC
 TCGGAAGAAGGCCTCTGTAGAGGCCAGGCTAAAGGCTGCAATCCAGTCTCAACTAGATGGGGTACGCACA
 GGCTTAAGCCAAGTGCACAATGCACTGAATGACGTCAAGGATATCCAGCAGTCACTGGCTGATGTCAGCA
 AGGACTGGAGGCAAAGCATCAACACCAATTGAGAGTCTCAAAGATGTAAAAGATGCAGTGGTGCAGCATAG
 CCAGCTGGCTGCAGCTGTGGAGAACCTCAAGAACATATTCTCAGTGCCTGAGATTGTGAGGGAGACCCAA
 GATCTCATCGAGCAAGGGGCCCTCTGCAAGCCACCGGAAGCTAATGGATCTGGAGTGCCTCGGGATG
 GGCTAATGTGTGAGCAGTACCGCATGGACAGTGGGAACAAACGGGACATGACCCTCATTGCTGCTACTT
 TGGTAGCACACAGGGGCTCTCTGATGAGCTGGCTAAGCAGCTGTGGATGGTGTGCTGCAAAGATCACTGGT
 ACTGTCCGCCGGGATCCTACCTTGTCTGGTCTCCGTGGTCAAGAATCATTGAAAGGGAAGAAAAAATTGACA
 GGCGGATACTTGATCGAAAAAGCAAATGGGTTTGTTCCTCTGGAAGGCCAAAAAAGTGGAAAGAAAA
 AATGTTTGCCATCTTGGACAGAAGTGTGACAACAGAAATCGAAGGTACACAGGCAGACACAGAGAATCT
 GACAAGATGTGGCTTGTGCGCCACCTGGAGATCATTAGGAAGTATGTCCTGGATGATCTCATTGTTGCCA
 AGAACCTGATGGTCCAGTGTCCCTCCTCACTATGAGATCTTTAAGAACCTCCTGAGCATGTACCACCA
 GGCCTTGAGCACTCGGATGCAGGACCTTGATCAGAGGACCTTGAGGCCAACGAGATTGTGAGCCTTTG
 ACATGGGTCTAAATACCTACACCAGTGCAGAGATGATGGGGAATGTGGAAGTACCCAGAAAGTGGATG
 TTAGTCCCTGGAGCCCTCCTCTCCAAACATCGTCTCCGAGCTGCTTGACACATACATGTCAACACT
 CAGTCCAAACATCATTGCCTGGCTTCGGAAGCACTGGAAACAGACAAGAAAGACTGGAGCAAAGAGACA
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 TCATCAGTCTGAAAAGGAAGTACCTAAAAACTGAAGCAGAGGAGGGCCTGTGTCTGAGTCAGCCAAGCAT
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 GGCACACAGACGTGTGGTGGTGAATACCTGCGGGCTGTGATGCAGAAGCGTATTTCTTTCGGAGTGTCT
 GAAGAGCGCAAGGAGGGCGCCGAGAAGATGGTCAGAGAGGCTGAACAGCTCCGCTTCTGTTCCGGGAAGC
 TGGCGTCTGGATTTGGTGGATGCAGATGGACTGTGATACAATTGTTGCAAGTGGCAGAGGTCATTAA
 GCTCACAGACCTTCTCTGCTCTATCTAGAAGTCTCAACTCTGGTCAGCAAAATATCCAGACATCAGAGAT
 GACCACATTGGTGCAGTGTGGCACTGCGAGGAGATGCCAGCCGGGACATGAAACAGACCATCATGGAGA
 CGCTGGAGCAGGGCCCCATGCAAGCAAGCCCCAACTATGTACCCATCTTCAAGGAGATTGTTGTGCCAG
 TCTGAACGTGGCAAAGCTCCTTAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210485 representing NM_177333
 Red=Cloning site Green=Tags(s)

MCKDSACFLTMKETDLEAVATAVQVRVAGMLQRPDQLDKVEQYRRREARKKASVEARLKAAIQSQLDGVRT
 GLSQLHNALNDVKDIQQSLADVSKDWRQSINTIESLKDVKDAVVQHSQLA AAVENLKNIFSVPEIVRETQ
 DLIEQGALLQAHRKLM DLECSRGLMCEQYRMDSGNKRDMTLIHGYFGSTQGLSDELAKQLWMVLRSLV
 TVRRDP TLLVSVVRIIEREEKIDRRILDRKKQTGFVPPGRPKNWKEKMF AILDRTVTTRIEGTQADTRES
 DKMWLV RHLEIIRKYVLDLIVAKNLMVQCFPPHYEIFKNLLSMYHQALSTRMQDLASEDLEANEIVSLL
 TWVLNTY TSAEMMGVNELAPEVDVSALEPLLSPNIVSELLDTYMSTLTSNIIAWLRKALETDKKDWKET
 EPEADQDGYQTTLPAIVFQMFQNLQVAAQISEDLKTKVLVLCQQMNSFLSRYKDEAQLYKEEHLRNR
 QHPHCYVQYMIAIINNCQTFKESIISLKRKYLKTEAEGLCLSQPSMDGILD AIAKEGCSLLEEVFLDL
 EQHLNELMTKKWLLGSNAVDIICVTVEDYFNDFAKIKKPYKKRMTAEHRRVVVEYLRAVMQKRISFRSA
 EERKEGAEKMVREAEQLRFLFRKLASGFGEDADGHCDTIVAVAEVIKLTDP SLLYLEVSTLVSKYPDIRD
 DHIGALLALRGDASRDMKQTIMETLEQGP MQASPNYVPIFKEIVVPSLNVAKLLK

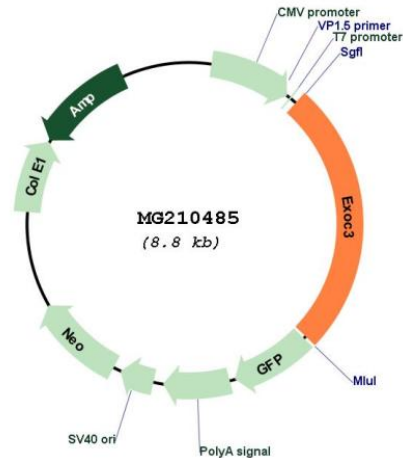
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_177333

ORF Size: 2265 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_177333.4](#)

RefSeq Size: 4597 bp

RefSeq ORF: 2268 bp

Locus ID: 211446

UniProt ID: [Q6KAR6](#)

Cytogenetics: 13 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]