

Product datasheet for **MR210485**

Exoc3 (NM_177333) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Exoc3 (NM_177333) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Exoc3
Synonyms:	2810050O03Rik; E430013E20Rik; Sec6; Sec6l1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210485 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGCAAAGATTCTGCCTGCTTTTTGACAATGAAGGAGACAGACCTGGAGGCTGTTGCAACAGCAGTCC
 AAAGGGTTGCTGGGATGCTTCAGCGCCAGACCAACTGGACAAAAGTGGAGCAGTATCGCAGAAGGGAAGC
 TCGGAAGAAGGCCTCTGTAGAGGCCAGGCTAAAGGCTGCAATCCAGTCTCAACTAGATGGGGTACGCACA
 GGCTTAAGCCAAGTGCACAATGCACTGAATGACGTCAAGGATATCCAGCAGTCACTGGCTGATGTCAGCA
 AGGACTGGAGGCAAAGCATCAACACCAATTGAGAGTCTCAAAGATGTAAAAGATGCAGTGGTGCAGCATAG
 CCAGCTGGCTGCAGCTGTGGAGAACCTCAAGAACATATTCTCAGTGCCTGAGATTGTGAGGGAGACCCAA
 GATCTCATCGAGCAAGGGGCCCTCTGCAAGCCACCGGAAGCTAATGGATCTGGAGTGCCTCGGGATG
 GGCTAATGTGTGAGCAGTACCGCATGGACAGTGGGAACAAACGGGACATGACCCTCATTGCTGGCTACTT
 TGGTAGCACACAGGGCTCTCTGATGAGCTGGCTAAGCAGCTGTGGATGGTGTGCTGCAAAGATCACTGGTC
 ACTGTCCGCCGGGATCCTACCTTGTGCTCCTGGTCAAGAATCATTGAAAGGGGAAGAAAAAATTGACA
 GGCGGATACTTGATCGAAAAAGCAAATGGGTTTGTTCCTCCTGGAAGGCCAAAAAAGTGGAAAGAAAA
 AATGTTTGCCATCTTGGACAGAAGTGTGACAACAGAAATCGAAGGTACACAGGCAGACACAGAGAATCT
 GACAAGATGTGGCTTGTGCGCCACCTGGAGATCATTAGGAAGTATGTCCTGGATGATCTCATTGTTGCCA
 AGAACCTGATGGTCCAGTGTCCCTCCTCACTATGAGATCTTTAAGAACCTCCTGAGCATGTACCACCA
 GGCCTTGAGCACTCGGATGCAGGACCTTGATCAGAGGACCTTGAGGCCAACGAGATTGTGAGCCTTTG
 ACATGGGTCTAAATACCTACACCAGTGCAGAGATGATGGGGAATGTGGAAGTACCCAGAAAGTGGATG
 TTAGTCCCTGGAGCCCTCCTCTCCAAACATCGTCTCCGAGCTGCTTGACACATACATGTCAACACT
 CAGTCCAACATCATTGCCTGGCTTCGGAAGCACTGGAAACAGACAAGAAAGACTGGAGCAAAGAGACA
 GAGCCAGAAGCAGACCAGGATGGTACTATCAGACTACACTTCCTGCCATTGTATTCCAGATGTTGGAAC
 AGAATCTTCAAGTTGCTGCTCAAATAAGTGAAGATTTGAAAACAAAGGTATTAGTGTGTGCTTTCAGCA
 AATGAATCTTTCCTAAGTAGATACAAAGATGAAGCCAGCTTTACAAAGAAGAGCACCTGAGAAACCGG
 CAACACCCACACTGTTATGTGCACTACATGATTGCCATCATCAATAACTGCCAGACCTTCAAAGAATCCA
 TCATCAGTCTGAAAAGGAAGTACCTAAAAACTGAAGCAGAGGAGGGCCTGTGTCTGAGTCAGCCAAGCAT
 GGATGGGATTCTAGACGCCATTGCTAAGGAAGGCTGCAGCAGTCTGCTAGAGGAGGTCTTCTGGATCTA
 GAGCAACATCTGAATGAGCTGATGACAAAGAAGTGGTTGTTAGGGTCAAACGCTGTGGACATCATCTGTG
 TCACTGTAGAAGACTACTTCAATGACTTTGCCAAAATAAAAAGCCATATAAAAAAGAAATGACAGCTGA
 GGCACACAGACGTGTGGTGGTGAATACCTGCGGGCTGTGATGCAGAAGCGTATTTCTTTCGGAGTGTCT
 GAAGAGCGCAAGGAGGGCGCCGAGAAGATGGTCAGAGAGGCTGAACAGCTCCGCTTCTGTTCCGGAAGC
 TGGCGTCTGGATTTGGTGGATGCAGATGGACTGTGATACAATTGTTGCAAGTGGCAGAGGTCATTAA
 GCTCACAGACCTTCTGCTCTATCTAGAAGTCTCAACTCTGGTCAGCAAAATATCCAGACATCAGAGAT
 GACCACATTGGTGCAGTGTGGCACTGCGAGGAGATGCCAGCCGGGACATGAAACAGACCATCATGGAGA
 CGCTGGAGCAGGGCCCCATGCAAGCAAGCCCCAACTATGTACCCATCTTCAAGGAGATTGTTGTGCCAG
 TCTGAACGTGGCAAAGCTCCTTAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210485 protein sequence
 Red=Cloning site Green=Tags(s)

MCKDSACFLTMKETDLEAVATAVQRVAGMLQRPDQLDKVEQYRRREARKKASVEARLKAAIQSQLDGVRT
 GLSQLHNALNDVKDIQQSLADVSKDWRQSINTIESLKDVKDAVVQHSQLA AAVENLNKIFSVPEIVRETQ
 DLIEQGALLQAHRKLMGLECSRDLMECEQYRMDSGNKRDMTLIHGYFGSTQGLSDELAKQLWMVLQSLV
 TVRRDPDLLVSVVRIIEREEKIDRRILDRKKQTGFVPPGRPKNWKEKMF AILDRTVTTRIEGTQADTRES
 DKMWLVVRHLEIIRKYVLDLIVAKNLMVQCFPPHYEIFKNLLSMYHQALSTRMQDLASEDLEANEIVSLL
 TWWLNTYTSAEEMGNVELAPEVDVSALEPLLSPNIVSELLDTYMSLTSNIIAWLRKALETDKKDWKET
 EPEADQDGYQTTLPAIVFQMFQNLQVAAQISEDLKTKVLVCLQQMNSFLSRKYDEAQLYKEEHLRNR
 QHPHCYVQYMIAIINNCQTFKESIISLKRKYLKTEAEEGLCLSQPSMDGILD AIAKEGCSLLEEVFLDL
 EQHLNELMTKKWLLGSAVDIICVTVEDYFNDFAKIKPKYKRMTEAHRVVVEYLRAVMQKRISFRSA
 EERKEGAEMVREAEQLRFLFRKLASGFGEDADGHCDTIVAVAEVIKLTDPSSLYLEVSTLVSKYPDIRD
 DHIGALLALRGDASRDMKQTIMETLEQGPMPQASPNYVPIFKEIVVPSLNVAKLLK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_177333

ORF Size: 2268 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

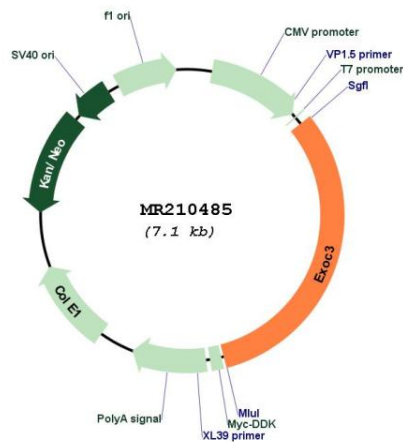
UniProt ID: [Q6KAR6](#)

Cytogenetics: 13 C1

MW: 86.5 kDa

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 MR210485