

Product datasheet for **MR211089**

Exoc1 (BC024678) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Exoc1 (BC024678) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Exoc1
Synonyms:	SEC3, Sec3p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR211089 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAGCAATCAAGCATGCGCTGCAGAGAGATATCTTCACACCAATGATGAACGCCTGCTGAGCATCG
 TGAATGTCTGCAAAGCTGGCAAGAAGAAGAAGAACTGTTTTCTGTGTGCCACAGTGACCACTGAACGCC
 CGTGCAGGTGAAGGTGGTCAAAGTCAAGAAATCCGACAAGGGAGATTTCTACAAAAGGCAGATTGCTTGG
 GCCCTGCGAGACCTTGCTGTGGTCGACGCCAAAGATGCCATCAAAGAAAACCCGGAATTTGATTTACATT
 TTGAGAAGGTCTATAAGTGGTGGCCAGCAGCAGCGCTGAGAAGAAGCGCTTCATCTCCTGCATTTGGAA
 GCTGAACCAGCGCTATCTGCGCAAGAAAATCGACTTTGTTAATGTTAGCTCGCAGCTTTTGAAGAATCT
 GTTCCAAGCGGAGAGAATCAGAGTGTAGCGGGAGGGGATGAAGAAGCGGTAGATGAGTACCAAGAGTTAA
 ATGCAAGAGAAGAGCAGGACATCGAGATAATGATGGAAGGCTGCGAGTGCGCCATTTCTAACGCTGAAGC
 CTTTGCAGAGAAGTTGTCCCGGAGCTGCAGGTGCTCGATGGGGCCAACATTCAGTCAATCATGGCCTCT
 GAGAAAACAAGTGAACACCTGATGCAGTTGCTGGATGAGGCGCTAACGGAGGTGGACCAGATTGAACTGA
 AACTGAGCAGTTACGAGGAGATGCTCAAAGTGTGAAAGAGCAGATGGATCAGATCTCTGAGAGCAACCA
 CCTGATCCATCTCAGCAACACGAATAATGTGAAGCTCCTGTCCGAGATAGAGTTCCTCGTGAACCACATG
 GACTTGGCCAAAGGTCATATAAAGGCCCTTCAGGAAGGAGATCTTGTTCCTCCCGAGGCATCGAGGCCCT
 GCACCAACGCTGCTGACGCCCTGCTGCAGTGCATGAACGTTGCTCTTCGCCAGGCCATGACATGCTCCT
 GGCCATCAAGCAGCAGCAGCAGCGCTTCAGTGACCTGAGGGAACATTCGCCCGGAGACTGGCCAGCCAT
 CTCAACAATGTTTTTGTCAACAGGGTCATGATCAGAGTCAACTCTTGCTCAGCACTCTGTTGAACTGA
 CTCTACCAATCACCATCCATTTTCAAGAGACTTGCTCCGCTATGCCAAGCTGATGGAGTGGCTAAAGAG
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 GAAATCAAAGATTTCTTTGAAGTTGCAAAGATGAAGATGACTGGCACCTCTAAAGAAAGCAAGAAGTTTG
 CTACACTGCCTCGAAAAGAAAGTGTGTCAAACAGGAAACAGAGAGTCTCCATGGAAGCTCTGGGAAACT
 CACTGGATCAACTTCTAGTCTGAATAAACTCAGTGTTAGAGCTCGGGCAGTGCAGGTCCCAATCGTCC
 TCCCTACTGGACATGGGGAACATGTCTGCCTCTGACCTCGATGTGGCTGACAGAACCAAATTTGATAAGA
 TCTTTGAACAGGTGCTGAGTGAAGTGGAGCCACTGTGTCTGCCAGAACAGGACTTCATAAGTAAATTTTT
 CAAACTACAGCAGCATCAAACATGTCTGCATCAATGACTGAAGCAGAAGACCTGGATGGAGGCTCATT
 TCACGGCAGCACAGTTCTGGCACCTGCTCCCTGTTTCTCTGAAAAGATATGATTCGCCAAATGATGA
 TCAAAATATTCCGTTGCATTGAACCAGAACTGAACAACCTAATTGCATTAGGAGACAAAGTAGATAGCTT
 TAACTCCCTGTACATGCTGGTCAAATGAGTCACCACGTGTGGACCGCACAGAACGTGGACCCAGCATCT
 TTTCTAAGTACTACATTAGGAAACGTTTTGGTACTGTGAAGAGGAACCTTGACAAATGCATTAGTAACC
 AAATAAGACAAATGGAAGAAGTAAAGATCTCAAAGAAAAGTAAAGTAGGAATTTCCATTTGTTGCTGA
 ATTTGAAGAATTTGCTGGGCTCGCAGAATCAATTTTCAAAGTGTGAACGCCGTGGTGTCTGGACAAA
 GCATACACCAAAATTAATCAGAGGAGTGTTCATTAATGTGGAGAAAGTAGCAAATGAGAGCCAGAAGACGC
 CCAGGGATGTGGTCATGATGGAGAATTTACCATATTTTTGCAACACTTTCTCGTCTGAAAATCTCATG
 TCTTGAAGCTGAGAAGAAAGAAGCCAAGCAGAAGTACACGGATCACCTTCAGTCTACGTCATTTACTCT
 TTAGGACAGCCCTTGAAGTAAATCAATTTCTTTGAAGCGTTGAAGCTCGAGTAGCCAGGGCATTTC
 GGGAGGAGGAGGTGAGCTACCAGCTCGGTTCAACAAGCAAGAGCTTCGCAAAGTCAATAAAGAGTATCC
 AGGCAAGGAGGTGAAGAAGGCCCTGGATAACCTCTACAAGAAGGTAGACAAGCACCTGTGTGAGGAGGAG
 AACTTACTGCAGGTGGTGTGGCACTCCATGCAAGATGAGTTTATACGCCAGTACAAGCACTTCGAGGGGT
 TGATAGCGCGTCTACCCTGGATCTGGAGTTACGATGGAATTCATTTACAGGACATTCTGGATTATTG
 CTCCAGCATCGCACAGTCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211089 protein sequence
 Red=Cloning site Green=Tags(s)

MTAIKHALQRDIFTPNDERLLSIVNVCKAGKKKNCFLCATVTTTERPVQVKVVKKSDKGDFYKRQIAW
 ALRDLAVVDAKDAIKENPEFDLHFEKVYKVVASSTAENAFISCIWKLNRQLRKKIDFVNVSSQLLEES
 VPSGENQSVAGGDEEAVDEYQELNAREEQDIEIMMEGCECAISNAEFAEKL SRELQVLDGANIQSIMAS
 EKQVNTLMQLLDEALTEVDQIELKLSYEEMLQSVKEQMDQISESNHLIHL SNTNNVKLLSEIEFLVNHM
 DLAKGHIKALQEGDLVSSRGIEACTNAADALLQCMNVALRPGHDMLLAIKQQQRFSDLREHFARRLASH
 LNNVFVQQGHDQSSTLAQHSVELTLPNHHPFHRDLLRYAKLMEWLKSTDYGYEGLTKNYMDYLSRLYER
 EIKDFFEVAKMKMTGTSKESKFFATLPRKESAVKQETESLHGSSGKLTGSTSSLNKL SVQSSGSRRSQSS
 SLLDMGNMSASDL DVADRTKFDKIFEQVLESEPLCLAEQDFISKFFKLQHQNMSASMTEADLDGGS
 SRQHSSGTL L PVSSEKDMIRQMMIKIFRCIEPELNLI ALGDKVDSFNSLYMLVKMHHVWTAQNVDPAS
 FLSTTLGNVLVTVKNRFDKISNQIRQMEEVKISKKSKVGILPFVAEFEEFAGLAESIFKNAERRGLDK
 AYTKLIRGVFINVEKVANESQKTPRDVMMENFHHIFATLSRLKISCLEAEKKEAKQKYTDHLQSVYIYS
 LGQPLEKLNHFEGVEARVAQGIREEEVSQQLAFNKQELRKVIKEYPGKEVKKGLDNLYKKVDKHLCEEE
 NLLQVWVHSMQDEFIRQYKHFEGLIARCYPGSGVTMEFTIQDILDYCSSIAQSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

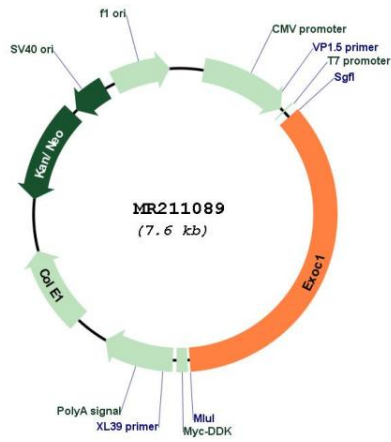
Cloning Scheme:



ACCN: BC024678

ORF Size:	2682 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:	<ol style="list-style-type: none">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:	BC024678 , AAH24678
RefSeq Size:	3292 bp
RefSeq ORF:	2684 bp
Locus ID:	69940
Cytogenetics:	5
MW:	101.9 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 MR211089