

Product datasheet for **MR210278**

Exoc3l4 (NM_028807) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Exoc3l4 (NM_028807) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Exoc3l4
Synonyms:	1200009I06Rik; 1600013K19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210278 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTTTGCCTCAGACAGGGGCCCTGGGCCAGAGGTAAAAAGCCCCAGGGAGCCTAGGAAGTCACAGA
 CCCTCCCTGTGACCACCTGGAAGTCCAACAGTATGAAAGAGCAGAGCGTGCACCACGGGGCAGCTTGAG
 ACCCAGCCTGGGCATGCTGAAGCAGACCCTCTCCGGACCAGCCTGAGAACTTCAACCCACAAGCCCAAG
 GAGGACCCAGGCCTGTTCAAGCGCAGCTCCCGTTTCTGTTCAAGTCTTGAGACGGGCCATAGATGAAG
 GCTTAAGTGTGGGCATCCCCAAGGCCCTGCGGTACCAGAGAAGCCCTCCAAAGTCACAGATGGCGTCAG
 CAGGCAGGCAGCCACTGGGACAGAGGCTGAGGATCTGGAACCCAGGCAGAAAGTAAATCCGTGGCAGAC
 CTCATCACTGAGCGGCAGCTAGTGAAGGCCCTTGAACAATTGCGGTACCTGGAGACGCAGCTGGTAGCCG
 AAAAAACTTCCCGCACCTTACACAGGACCCACCGCCTATGCTCGGCGCGCTATGGACCTTTGTCTACA
 TTACGACGGAATGGCTGCGGAGATCGGAGCCATTGTGCGGAGGGCGCTGAGTTCCGAAGGCGTGGATCGA
 GAGCCTCTAGCGGAACTGGCCAAAGTGGTACACTTGAAGAGGAGGCCCATCAGACCTCCAGGCCGAGG
 GTGATTTCTTGAGTACACCCCGCCACTGGCGTATGCATTGGGAGGACGCGGTGCGTCTCAGCGCTCAGGA
 GAGCGTACAGCAGGCAGGCGCAAAAGTCATCCCGGGGCTGCGGAGGGCTCATCCGACCTAGCCCAGCTT
 CTGGCTGAGCTCGGCGGTGTGGTTGCCACGACCTGCAGAAGGTGCGCTTAGAGATGCAGCCCGTTACG
 AAGCCACCGACTCCCAGTGTGGGAGACCTACTTGCCTGCCTCCACAGCGCTGTGGCCAGCGTCTACA
 GGAGCTGGCGCGAGACGCCCGCGGCTGTGAGCAGCTCTATGTGCTGTTAGACTGGGCCGTAATGTCTAT
 GGCAGTCTGACTTCTGGGCGCCCCAGACTTGGCGCTGCCACCGAGCCGCTGCCCCACTTCTAGAGC
 CTGCTGTGGGCTCGACTGAAAAGTGACTACACTAGTTCCTAGAGACCAAGATCACAAGCTGTTTTGA
 CAGCATCTTGACGCTGGAACAGAATCGCTGGGAAGCCGACGAGGACCGGGAAGTACTGCAGGGCCTTAC
 CACGCGCCCTGTCCATCGATGTGCACATGCTGGTAGCTGAGCATGTGAAGGCAGCTGGCGCTATCTCCG
 CGGAGCTGGAGGCCACTACCCTGCAGATCTGCGCGCTGCGCTCTGTCTTTGTGCCAGGTTTAAAA
 GGCTTTTCTGGCGTGAAGGCAGTGAGCGAATGGTACCTGGGTGCTTACATTAACGCCTGCGTGGAGCTG
 AGAACCAGTCTTCTGGCCAGGTTCCAGGAACATAAAGGAACTGGAGAAACCCCTAGTGGCTGCCACCA
 ATAGCTTCCAGAAACATTTGCTCCAGATTGTACAGCAAGACATGCAGCCTCTATTTAAGGTGCTATATAC
 CAAGAGCTGGCTCACACAGGACACACTTCGTCCCCTCATGGACAAAGTGGTGGACTTTGCACATCATCTT
 GAGCATGTGACCCACCACTGGCACAGGAGACTGCAGGAGGTGCACCGTTTTGTGGTCCGCGAATACC
 TGGGGCAGGTGCTGAGGCCCCACGAGAGGTTCAAGTGGCCAGGATCGACTGAAGGGCTCTAATAAGATGAA
 CCTGGATGCCAGGCCATTAGCAACACCTTCCAGGGCTTGGGCTCTGAAGCCAAGTGGCTGGACCAAGCC
 ATCCTGTCTGTGGCTGAGATCCTGGGCGAGACATACAAAGACGACATCCGGCGGCACCTGAAAACACTTA
 TACGGAGTACCCGGACATCAGGCGAGACCACATTCTGGCCATTCTGGCACTACGCAGACTCGGCCGCCG
 CCGGAACCACAATCTCTTGCAACACACCAAGACTTGTGAGGGCTGCCACGAGACCAGGCTCCCTCA
 CACCACGTGCTCTCGAGGAGATCGAAGTGCCACCTCTGTGGACGTGCTAATCACCTGCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210278 protein sequence
Red=Cloning site Green=Tags(s)

MPLPQTGAPGPEVKS PREPRKSQTLPVTTWKSNSMKEQSVHHGGSLRPSLGLMKQTLFRTSLRTSTHKPK
 EDPGLFRRSSRFLFRSLRRAIDGLTAGHPQGPVPEKPSKVTDGVS RQAATGTEADLEPQAESKSVAD
 LITERQLVKAFEQLRYLETQLVADKTSRTFTQDPTAYARRAMDLC LHYDGMAAEIGAI VREALSSEGVD R
 DALAELA QVVHLEEEAHQTSQAEGDFLSTPRHWRMHWEDAVRLSAQESVQQAGAKVIPGAAEGSSDLAQL
 LAELGGVVRHDLQKVRLEMQPAYEATDFPVWETYLRAFHS AVAQRLQELARDARGCEQLYVLLDWAANVY
 GSPDFLGAPDLALPTEPLPPLLEPALWARLES DYTSFLETKITSCFDSILQLEQNRWEADEDREVLQGLY
 HAPLSIDVHMLVAEHVKAAGAI SAELEATTLQICARALCLFVPRFEKAF LASKAVSEWYL GAYINACVEL
 RTSLLARFPGTIKELEKPLVAATNSFQKHL LQIVQQDMQPLFKVLYTKSWL TQDTRPLMDKVVDFAHLL
 EHVTPLAQETLQEVHRFVVREYLQVLRPHERFSGQDR LKGSNMNLDQAISNTFQGLGSEAKWLDQA
 ILSVAEILGETYKDDIRRHLET LIRSYPDIRRDHILAILALRRLGRRRNHNL LQHTQDLLRAAHETRLPS
 HHVLFEEIEVPTSVDVLITCI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_028807

ORF Size: 2166 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_028807.2](#), [NP_083083.2](#)

RefSeq Size: 3420 bp

RefSeq ORF: 2166 bp

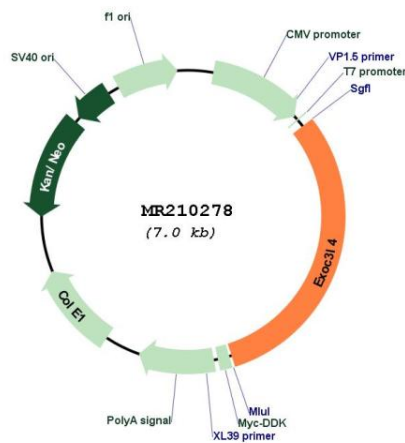
Locus ID: 74190

UniProt ID: [Q6DIA2](#)

Cytogenetics: 12 F1

MW: 81 kDa

Product images:



Circular map for MR210278