

## Product datasheet for **MR230980**

### Exoc3l4 (NM\_001289489) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Exoc3l4 (NM_001289489) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Exoc3l4
Synonyms:	1200009I06Rik; 1600013K19Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR230980 representing NM\_001289489  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCTTTGCCTCAGACAGGGGCCCTGGGCCAGAGGTAAAAAGCCCCAGGGAGCCTAGGAAGTCACAGA  
 CCCTCCCTGTGACCACCTGGAAGTCCAACAGTATGAAAGAGCAGAGCGTGCACCACGGGGCAGCTTGAG  
 ACCCAGCCTGGGCATGCTGAAGCAGACCCTCTCCGGACCAGCCTGAGAACTTCAACCCACAAGCCCAAG  
 GAGGACCCAGGCCTGTTCAAGCGCAGCTCCCGTTTCTGTTCAAGTCTTGAGACGGGCCATAGATGAAG  
 GCTTAAGTGTGGGCATCCCAAGGCCCTGCGGTACCAGAGAAGCCCTCCAAAGTCACAGATGGCGTCAG  
 CAGGCAGGCAGCCACTGGGACAGAGGCTGAGGATCTGGAACCCAGGCAGAAAGTAAATCCGTGGCAGAC  
 CTCATCACTGAGCGGCAGCTAGTGAAGGCCTTTGAACAATTGCGGTACCTGGAGACGCAGCTGGTAGCCG  
 AAAAAACTTCCCGCACCTTTACACAGGACCCACCGCCTATGCTCGGCGCGCTATGGACCTTTGTCTACA  
 TTACGACGGAATGGCTGCGGAGATCGGAGCCATTGTGCGGAGGGCGCTGAGTTCCGAAGGCGTGGATCGA  
 GAGCCTCTAGCGGAAGTGGCCAAAGTGGTACACTTGAAGAGGAGGCCCATCAGACCTCCAGGCCGAGG  
 GTGATTTCTTGAGTACACCCCGCCACTGGCGTATGCATTGGGAGGACGCGGTGCGTCTCAGCGCTCAGGA  
 GCGCGTACAGCAGGCAGGCGCAAAAGTCATCCCGGGGCTGCGGAGGGCTCATCCGACCTAGCCCAGCTT  
 CTGGCTGAGCTCGGCGGTGTGGTTCGCCACGACCTGCAGAAGGTGCGCTTAGAGATGCAGCCCGTTACG  
 AAGCCACCGACTCCCAAGTGTGGGAGACCTACTTGCCTGCCTCCACAGCGCTGTGGCCAGCGTCTACA  
 GGAGCTGGCGCGAGACGCCCGCGGCTGTGAGCAGCTCTATGTGCTGTTAGACTGGGCCGTAATGTCTAT  
 GGCAGTCTGACTTCTGGGCGCCCGACTTGGCGCTGCCACCGAGCCGCTGCCCCACTTCTAGAGC  
 CTGCTGTGGGCTCGACTGAAAGTGACTACACTAGTTCCTAGAGACCAAGATCACAAGCTGTTTTGA  
 CAGCATCTTGACGCTGGAACAGAATCGCTGGGAAGCCGACGAGGACCGGGAAGTACTGCAGGGCCTTAC  
 CACGCGCCCTGTCCATCGATGTGCACATGCTGGTAGCTGAGCATGTGAAGGCAGCTGGCGCTATCTCCG  
 CGGAGCTGGAGGCCACTACCCTGCAGATCTGCGCGCTGCGCTCTGTCTTTGTGCCAGGTTTAAAA  
 GGCTTTTCTGGCGTGAAGGCAGTGAAGCAATGGTACCTGGGTGCTTACATTAACGCTGCGTGGAGCTG  
 AGAACCAGTCTTCTGGCCAGGTTCCAGGAACATAAAGGAACTGGAGAAACCCCTAGTGGCTGCCACCA  
 ATAGCTTCCAGAAACATTTGCTCCAGATTGTACAGCAAGACATGCAGCCTCTATTTAAGGTGCTATATAC  
 CAAGAGCTGGCTCACACAGGACACACTTCGTCCCCTCATGGACAAAGTGGTGGACTTTGCACATCATCTT  
 GAGCATGTGACCCACCCTGGCACAGGAGACTGCAGGAGGTGCACCGTTTTTGTGGTCCGCGAATACC  
 TGGGGCAGGTGCTGAGGCCACGAGAGGTTCAAGTGGCCAGGATCGACTGAAGGGCTCTAATAAGATGAA  
 CCTGGATGCCAGGCCATTAGCAACACCTTCCAGGGCTTGGGCTCTGAAGCCAAGTGGCTGGACCAAGCC  
 ATCCTGTCTGTGGCTGAGATCCTGGGCGAGACATACAAAGACGACATCCGGCGGCACCTGAAACACTTA  
 TACGGAGTACCCGGACATCAGGCGAGACCACATTCTGGCCATTCTGGCACTACGCAGACTCGGCCGCCG  
 CCGGAACCAGAATCTCTTGCAACACACCAAGACTTGCTGAGGGCTGCCACGAGACCAGGCTCCCTCA  
 CACCACGTGCTCTCGAGGAGATCGAAGTGCCACCTCTGTGGACGTGCTAATCACCTGCATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR230980 representing NM\_001289489  
 Red=Cloning site Green=Tags(s)

MPLPQTGAPGPEVKS PREPRKSQTLPVTTWKSNSMKEQSVHHGGSLRPSLGLMKQTLFRTSLRTSTHKPK  
 EDPGLFRRSSRFLFRSLRRAIDGLTAGHPQGPVPEKPSKVTDGVSQAATGTEAEDLEPQAESKSVAD  
 LITERQLVKAFEQLRYLETQLVADKTSRTFTQDPTAYARRAMDLC LHYDGMAAEIGAI VREALSSEGVD R  
 DALAELAQVVHLEEEAHQTSQAEGDFLSTPRHWRMHWEDAVRLSAQERVQQAGAKVIPGAAEGSSDLAQL  
 LAELGGVVRHDLQKVRLEMQPAYEATDFPVWETYLRAFHSAVAQRLQELARDARGCEQLYVLLDWAANVY  
 GSPDFLGAPDLALPTEPLPPLLEPALWARLES DYTSFLETKITS CFDSILQLEQNRWEADEDREVLQGLY  
 HAPLSIDVHMLVAEHVKAAGAI SAELEATTLQICARALCLFVPRFEKAFLASKAVSEWYL GAYINACVEL  
 RTSLLARFPGTIKELEKPLVAATNSFQKHL LQIVQQDMQPLFKVLYTKSWL TQDTRPLMDKVVDFAHHL  
 EHVTPLAQETLQEVHRFVVREYLQVLRPHERFSGQDRLKGSNMNLDQAISNTFQGLGSEAKWLDQA  
 ILSVAEILGETYKDDIRRHLET LIRSYPDIRRDHILAILALRRLGRRRNQNL LQHTQDLLRAAHETRLPS  
 HHVLFEEIEVPTSVDVLITCI

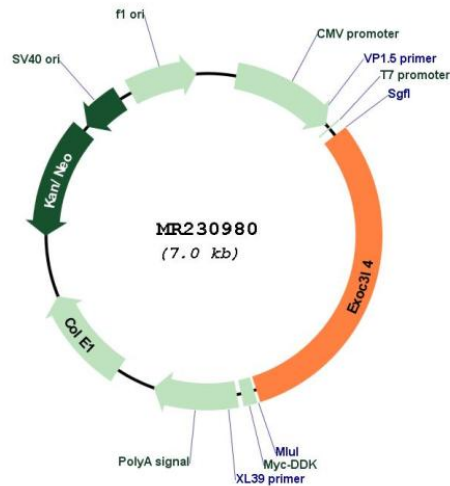
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001289489

**ORF Size:** 2163 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\\_001289489.1](#), [NP\\_001276418.1](#)

**RefSeq Size:** 3169 bp

**RefSeq ORF:** 2166 bp

Locus ID: 74190  
UniProt ID: Q6DIA2  
Cytogenetics: 12 F1  
MW: 81.6 kDa