

## Product datasheet for **MR230979**

### Exoc3l4 (NM\_001289488) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Exoc3l4 (NM_001289488) 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:**

>MR230979 representing NM\_001289488  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTTTGCCTCAGACAGGGGCCCTGGGCCAGAGGTAAAAAGCCCCAGGGAGCCTAGGAAGTCACAGA  
 CCCTCCCTGTGACCACCTGGAAGTCCAACAGTATGAAAGAGCAGAGCGTGCACCAGGGGCAGCTTGAG  
 ACCCAGCCTGGGCATGCTGAAGCAGACCCTCTCCGGACCAGCCTGAGAACTTCAACCCACAAGCCCAAG  
 GAGGACCCAGGCCTGTTCAAGCGCAGCTCCCGTTTCTGTTCAAGTCTTGAGACGGGCCATAGATGAAG  
 GCTTAAGTGTGGGCATCCCCAAGGCCCTGCGGTACCAGAGAAGCCCTCCAAAGTCACAGATGGCGTCAG  
 CAGGCAGGCAGCCACTGGGACAGAGGCTGAGGATCTGGAACCCAGGCAGAAAGTAAATCCGTGGCAGAC  
 CTCATCACTGAGCGGCAGCTAGTGAAGGCCCTTGAACAATTGCGGTACCTGGAGACGCAGCTGGTAGCCG  
 AAAAAACTTCCCGCACCTTACACAGGACCCACCGCCTATGCTCGGCGCGCTATGGACCTTTGTCTACA  
 TTACGACGGAATGGCTGCGGAGATCGGAGCCATTGTGCGGAGGGCGCTGAGTTCCGAAGGCGTGGATCGA  
 GAGCCTCTAGCGGAAGTGGCCAAAGTGGTACACTTGAAGAGGAGGCCCATCAGACCTCCAGGCCGAGG  
 GTGATTTCTTGAGTACACCCCGCCACTGGCGTATGCATTGGGAGGACGCGGTGCGTCTCAGCGCTCAGGA  
 GCGCGTACAGCAGGCAGGCGCAAAGTCAATCCCGGGGCTGCGGAGGGCTCATCCGACCTAGCCCAGCTT  
 CTGGCTGAGCTCGGCGGTGTGGTTCGCCACGACCTGCAGAAGGTGCGCTTAGAGATGCAGCCCGTTACG  
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 GGAGCTGGCGGAGACGCCCCGGCTGTGAGCAGCTCTATGTGCTGTTAGACTGGGCCGTAATGTCTAT  
 GGCAGTCTGACTTCTGGGCGCCCCAGACTTGGCGCTGCCACCGAGCCGCTGCCCCACTTCTAGAGC  
 CTGCTGTGGGCTCGACTGAAAAGTACTACTACTAGTTCCTAGAGACCAAGATCACAAGCTGTTTTGA  
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 CACGCGCCCTGTCCATCGATGTGCACATGCTGGTAGCTGAGCATGTGAAGGCAGCTGGCGCTATCTCCG  
 CGGAGCTGGAGGCCACTACCCTGCAGATCTGCGCGCTGCGCTCTGTCTTTGTGCCAGGTTTAAAA  
 GGCTTTTCTGGCGTGAAGGCAGTGAAGCAATGGTACCTGGGTGCTTACATTAACGCTGCGTGGAGCTG  
 AGAACCAGTCTTCTGGCCAGTTCAGGAACCAAAAGGAACTGGAGAAACCCCTAGTGGCTGCCACCA  
 ATAGCTTCCAGAAACATTTGCTCCAGATTGTACAGCAAGACATGCAGCCTCTATTTAAGGTGCTATATAC  
 CAAGAGCTGGCTCACACAGGACACACTTCGTCCCCTCATGGACAAAGTGGTGGACTTTGCACATCATCTT  
 GAGCATGTGACCCACCCTGGCACAGGAGACTGCAGGAGGTGCACCGTTTTGTGGTCCGCGAATACC  
 TGGGGCAGGTGCTGAGGCCACGAGAGGTTCAAGTGGCCAGGATCGACTGAAGGGCTCTAATAAGATGAA  
 CCTGGATGCCAGGCCATTAGCAACACCTTCCAGGGCTTGGGCTCTGAAGCCAAGTGGCTGGACCAAGCC  
 ATCCTGTCTGTGGCTGAGATCCTGGGCGAGACATACAAAGACGACATCCGGCGGCACCTGAAAACACTTA  
 TACGGAGTACCCGGACATCAGGCGAGACCACATCTGGCCATTCTGGCACTACGCAGACTCGGCCGCCG  
 CCGGAACCAGAATCTCTTGCAACACACCAAGACTTGTGAGGGCTGCCACGAGACCAGGCTCCCTCA  
 CACCACGTGCTCTCGAGGAGATCGAAGTGCCACCTCTGTGGACGTGCTAATCACCTGCATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR230979 representing NM\_001289488  
 Red=Cloning site Green=Tags(s)

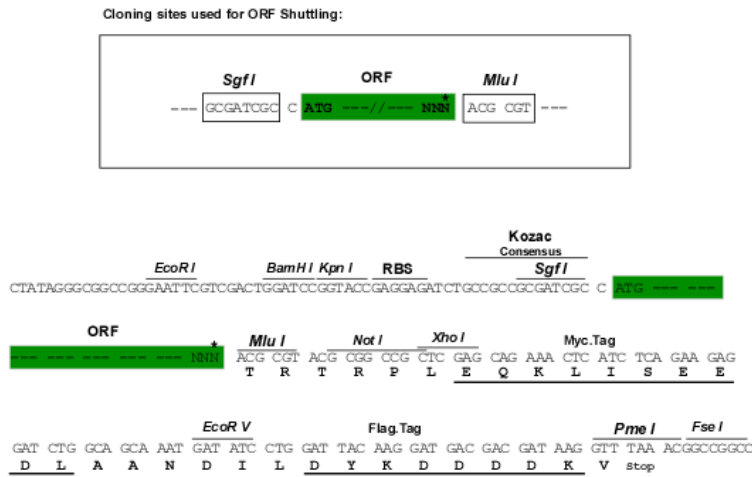
MPLPQTGAPGPEVKS PREPRKSQTLPVTTWKSNSMKEQSVHHGGSLRPSLGLMKQTLFRTSLRTSTHKPK  
 EDPGLFRRSSRFLFRSLRRAIDGLTAGHPQGPVAVPEKPSKVTDGVS RQAATGTEAEDLEPQAESKSVAD  
 LITERQLVKAFEQLRYLETQLVADKTSRTFTQDPTAYARRAMDLC LHYDGMAAEIGAI VREALSSEGVD R  
 DALAELAQVVHLEEEAHQTSQAEGDFLSTPRHWRMHWEDAVRLSAQERVQQAGAKVIPGAAEGSSDLAQL  
 LAELGGVVRHDLQKVRLEMQPAYEATDFPVWETYLRAFHS AVAQRLQELARDARGCEQLYVLLDWAANVY  
 GSPDFLGAPDLALPTEPLPPLLEPALWARLES DYTSFLETKITS CFDSILQLEQNRWEADEDREVLQGLY  
 HAPLSIDVHMLVAEHVKAAGAI SAELEATTLQICARALCLFVPRFEKAF LASKAVSEWYLGAYINACVEL  
 RTSLLARFPGTIKELEKPLVAATNSFQKHL LQIVQQDMQPLFKVLYTKSWL TQDTLRPLMDKVVDFAHHL  
 EHVTPLAQETLQEVHRFVVREYLQVLRPHERFSGQDRLKGSNKMNLDAQAISNTFQGLGSEAKWLDQA  
 ILSVAEILGETYKDDIRRHLET LIRSYPDIRRDHILAILALRRLGRRRNQNL LQHTQDLLRAAHETRLPS  
 HHVLFEEIEVPTSVDVLITCI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

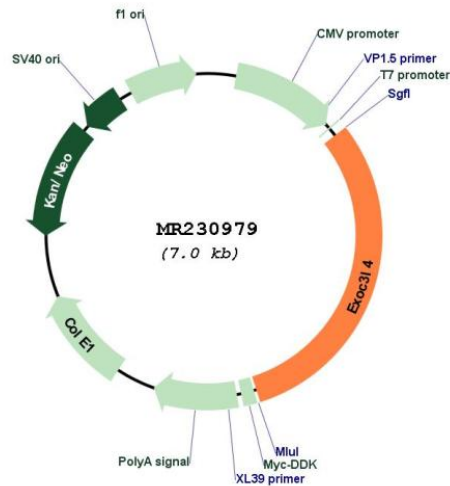
Sgfl-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_001289488

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\\_001289488.1](#), [NP\\_001276417.1](#)

RefSeq Size: 3276 bp

RefSeq ORF: 2166 bp

Locus ID: 74190  
UniProt ID: [Q6DIA2](#)  
Cytogenetics: 12 F1  
MW: 81.6 kDa