

## Product datasheet for MC224036

### Mms22l (NM\_199467) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mms22l (NM_199467) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mms22l
Synonyms:	F730047E07Rik; Gm134
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224036 representing NM_199467 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGGCTGTTGAGCAGCGTCGACCTTCTTGACTGACAGCTTAGAGCTGGAGCTGGGACAGAGTGGT  
GCAAACCCCTGCTTTTCTTGGCTTTTGACAACAGAGAAGGAAAATTCTCTGGAGAGTCTACCTTGC  
CAGTGGCGCCCTAAGCGGTTAATTTTAAATCTTGATCCATTACCACTAATTTTGAAGAGGATACAGTA  
GAACTATTTGGCTTCCAATGGGTTACAGAAACAGCGCTAGTCTATTCTGTAGAGAGCTCTTTCATTAT  
TCAGGCAACAGATATTTAACTTGGAGTCCTTGGTACAAGTCAGCTGTGATTTTGGAAAAATGCCACCT  
GCACGCCAAAGCAGACAGTATTAGGCAACAATGTGTAGTGTCTTCACTACATTAAGTTTTATCTTTC  
AGGTGTCTGAAAGTACAGGAAGCAGAGAGCCACAGTCGCCCTGCCATCCCTATGAGGCTTTGGAAGCCC  
AGCTTCCCTCCATGTTGGTCGATGAGCTCCGTGGATTACTTCTGTACATTGGACATCTAGCTGCATTCC  
CAGTGTACTGTAGGAGCGTTTGTAAATCAAACCAGATGAAGCTTCCCTCCATCATGGCATTATTA  
CATCTCTATTTAGATACCACTGGCTGGTGTGGAAATACTGCATATTCTGGGAGAAAAATGAAACAAG  
TTGTTTATGGTCGTCAGTTTATGGTCAGGCAGTGACAATTTAAACCAATGTCAGCCTCTTTGAAGAACA  
TTGTGAACATCTTTCTGTGACTTAATATGCCTGTCACTCAACAGATTTGACAAGGTCATGCCTTCAGAA  
GCACTACTGATTAGTCACTGCCATGCTCCTGTGTTAAAGAATTATGGGTTCTACTTATTTCATCTTTAG  
ACCACAGAAGGAAATGGTCTGTTGCAGATTCATTTTGAATTGGTTGAATAAACTACTTAGAACCTTTT  
TGAAAAGTCAAGTGACCAACGAAGATCTTCTGTGTCTTAACCCAGGCCAAGGATCCATTAGGCTTAGT  
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AGAAGAACAATTGCGAATGCATCTTCATTGTTGTTTGGACTTTGTGATTTCTGGGAGCCAAATATTTCA  
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TGAAAGGCCTTACCAATATTATCAAGTCTCCACTGTGATGCTTACACTGGTGAGGAACTGCTGTAGTGA  
TAAACAAGACCCTGACCTCTATAAGTCCAGCAGAGTTACATCATTTTTCTTGTGATTCTGGCAAAAGTT  
GTTAAGAAAGCAATGAGAACCAGCGCCCTCACCTTGAAGCAAGTTAAGGAAGAATATATTCTAAGT



TTCATCAAAAAGAATGGAAGAATACTGAAGTTGGCCTACAGAACTTTTTCAGCCTTTTTCTACTGTT  
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 TCCATGTCATCTCATGGAGCCCTGTTTGGGAGGGTCAGATGGCATTCTCCTGATGATGCCAGAAAA  
 ACTTGGACATTGGTGTGGGCTGAGAACTGTCATGTGAATCCAAGAGAAAGCAAAGGAATCTTGGT  
 ATCTAAGAATGATGAAATGGTACAGAGACATGCTCTATGGACACTGCTTGCATCTATATTGATGGTGT  
 CAAGAAGTATTTGAGACCAGCAGTTGCTGTATCCTTCTCATGAGCATCTTCTCAATGATGGATTTAGCA  
 TGTTACTGCCAGCCTGTCGAAATCTGAACTTAGGACAGTCCTGAACTTTCTACAAGCTGTTCTGGCGAG  
 AATCAGGAGTGTTTCATCAGCAATTGTGTAGGAACTTCAAAGAGAGAATGTGGACCTAACTGTGCAGTCT  
 TCATTATCGGCTAAAGAGCGCCCTGGCTGCCGTCGCTGGTGCAGTGTGGAGGCATTTCTTTCTTTTC  
 TCAAGAGTCAGAGAATGACACAAGTTGTGCCTCTCTCCAGCTTGCAGATGCCGCTGCAGATTTTACTTT  
 GCTGGCAGTGGACATGCCAAACACAGCACCACCAGATCTTCCAGCCACAGCCAGTTATATCAATAATTCAG  
 CTTTTGGTTGGGATGATATCATCTGGCCCAAGTTGTAGCAAGATTTAAGTCATTTGCTACAAAATA  
 GCACAGTATATGAAGCACTTTCTCAGTCAAGTTGCGTGTCTTCTCAGTCTTAACATAAGATCATGGGT  
 CCGTTGTGTTTGCAAAATGCACATAAAACACCTCTCTGACCCTGACTTGTGATTGATGTGAATCCTGAA  
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 TCAGTTCTCGGAGCTGTTGGTGTGACTTACAGGACTCTGCAGACATTTTCTGATAAATCTGCCATGGTC  
 ACAAAGTCCTTAGAATACCTTGGTGAAGTATTAATAATATAAAGCCTTATTTGGGGAAAAAGTTTCCA  
 GTGCAGGGTGCAGCTGACTTACGGGATAATGGGAATCTTGTAAAGTCATGGGCACACATCTTGGCCAC  
 CTCTAAAGCACAGAAGCTACTTTTTCGGATAATAGACTGTTTGTGCTGCCACATACAGTGTACAGCAA  
 GACAAGGAGCTGCCTGGACCATGCTGACTGCAATTCAGAAGACGCTTCTCTCTATCTACAGGGCATAT  
 GTATTGTATGCTGCCAGTCTCAAATCCAATGCCTACTTGAATCAGTTGCTGAGGAATGTCATTGAGCA  
 GTACATAGGGAGGTTTCTCCCAACCTCGCCTGTGTTTCAGATCTGGGACAGCACCTGTTCTGTTGGCA  
 CTGAGAAAACCTGCCTCTGTTCCCTCGATGACGCTCTAAGAAAAGCACACTGTCCATGCCATAAGGAAAT  
 CCTACCTTGAGTTCAAAGGGTCTCACCCCTCTCGATTAGCATCCGATTGGCCTTCGCTCTTACAGT  
 CTTCAAGGACACCGAAATGGGTGCCTGTGACCTTGTGAGCTGCTCTTCTGGCATCCTGAAATGTTTGGTG  
 TTGGTAAATGAACCCCAAGTTAAAAAGCTGGCCACAGAGAACCTGCAGTGCATGGTACAAACCTGCCAAG  
 TGGGGTCAAGAGGAGGACCTGCCACCCAGCTGACTTCTCTGTTTAGGCAGTTCATCCAGGACTATGGTAT  
 GCAATACAGTTATCAAGTATACAGCATCTAGAGACAGTAGCAACGCTGAATCAGCACGTTGTCATCCAA  
 TTGATTCTACCCTCACTCAGTCTCTGAAGGATTCAGAGCTCAAATGGGGCTCGGCAGAAATATTGCAC  
 AAAGGGAAGCATATAGCAGACTTTATCTGGCCTAGGACAGGTAGGACAGGGCGAGAAGCAGAGACTGGA  
 AAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-MluI

**ACCN:**

NM\_199467

**Insert Size:**

3717 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_199467.2](#), [NP\\_955761.2](#)

**RefSeq Size:** 4482 bp

**RefSeq ORF:** 3717 bp

**Locus ID:** 212377

**UniProt ID:** [B1AUR6](#)

**Cytogenetics:** 4 A3

**Gene Summary:** Component of the MMS22L-TONSL complex, a complex that stimulates the recombination-dependent repair of stalled or collapsed replication forks. The MMS22L-TONSL complex is required to maintain genome integrity during DNA replication by promoting homologous recombination-mediated repair of replication fork-associated double-strand breaks. It may act by mediating the assembly of RAD51 filaments on ssDNA (By similarity).[UniProtKB/Swiss-Prot Function]