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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC224036 representing NM_199467
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATGGCTGTTCAGCAGCGTCGACCTTCTTGACTGACAGCTTAGAGCTGGAGCTGGGGACAGAGTGGT
GCAAACCCCCCTGCTTTTCTTGCGCTTTTGACAACAGAGAAGGAAAATTCTCTGGAGAGTCCTACCTTGC
CAGTGGCGCCCTTAAGCGGTTAATTTTAAATCTTGATCCATTACCAACTAATTTTGAAGAGGATACAGTA
GAACTATTTGGCTTCCAATGGGTTACAGAAACAGCGCTAGTCTATTCCTGTAGAGAGCTCTTTCATTTAT
TCAGGCAACAGATATTTAACTTGGAGTCCTTGGTACAAGTCAGCTGTGATTTTGGGAAAATAGCCACCTT
GCACGCCAAAGCAGACAGTATTAGGCAACAATGTGTAGTGTTCCTTCACTACATTAAAGTTTTCATCTTC
AGGTGTCTGAAAGTACAGGAAGCAGAGAGCCACAGTCGCCCTGCCCATCCCTATGAGGCTTTGGAAGCCC
AGCTTCCCTCCATGTTGGTCGATGAGCTCCGTGGATTACTTCTGTACATTGGACATCTAGCTGCACTTCC
CAGTGTTACTGTAGGAGCGTTTGTAAATCAAAACCAGATGAAGCTCTTCCCTCCATCATGGCATTTATTA
CATCTCTATTTAGATACCCACTGGCTGGTGTTGGAAATACTGCATATTCTGGGAGAAAAATTGAAACAAG
TTGTTTATGGTCGTCAGTTTATTGGTCAGGCAGGTGACAATTTAACCAATGTCAGCCTCTTTGAAGAACA
TTGTGAACATCTTTTCTGTGACTTAATATGCCTGTCACTCAACAGATTTGACAAGGTCATGCCTTCAGAA
GCACTACTGATTAGTCACTGCCCATGCTCCTGTGTTAAAGAATTATGGGTTCTACTTATTCATCTTTTAG
ACCACAGAAGGAAATGGTCTGTTGCAGATTCATTTTGGAATTGGTTGAATAAACTACTTAGAACACTTTT
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TGGTGGATTAGTGTTCATGTAGCATCATTGTACCAGATTGATCGCCATGGTGTGTCAGACAAAATGAAAC
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TGAAAGGCCTTACCAATATTATCAAGTCTCCACTGTCGATGCTTACACTGGTGAGGAACTGCTGTAGTGA
TAAACAAGACCCTGACCTCTATAAGTCCAGCAGCAGTTACATCATTTTTCTTTGCATTCTGGCAAAAGTT
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GTTAAGAAAGCAATGAGAACCAGCGGCCCTCACCCTTGGAAGCAAGTTAAAGGAAGAATATATTCTAAGT
TTCATCAAAAAAGAATGGAAGAACTAACTGAAGTTGGCCTACAGAACTTTTTCAGCCTTTTTCTACTGTT
AGCAGCTGTTGCAGAGATAGAAGATGTAGCAAGCCATGTTTTAGACCTCCTTCGTTTCCTCAGGCCTGCC
TCCATGTCATCTCATGGAGCCCTTGTTTGGAAGGGTCAGATGGCATTTCTCCTGATGTATGCCCAGAAAA
ACTTGGACATTGGTGTTTGGGCTGAGAAACTGTCATGTGAATTCCAAGAGAAAGCAAAGGAATTCTTGGT
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CAAGAAGTATTTGAGACCAGCAGTTGCTTGTATCCTTCTCATGAGCATCTTCTCAATGATGGATTTAGCA
TGTTACTGCCAGCCTGTCGAGAATCTGAACTTAGGACAGTCCTGAACTTTCTACAAGCTGTTCTGGCGAG
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TCATTATCGGCTAAAGAGCGCCCCCTGGCTGCCGTCGCTGGTGCACTGTGGAGGCATTTCTTTTCCTTTC
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GCTGGCAGTGGACATGCCAAACACAGCACCACCAGATCTTCAGCCACAGCCAGTTATATCAATAATTCAG
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CAGGCCGTGGAAAAAGAGTACATGGAACAGCTGGCTGAAATGACAAGATTACTATTTACACTCTCAGAAG
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TCAGTTCCTGGAGGCTGTTGGTGTGACTTACAGGACTCTGCAGACATTTTCTGATAAATCTGCCATGGTC
ACAAAGTCCTTAGAATACCTTGGTGAAGTATTAAAATATATAAAGCCTTATTTGGGGAAAAAAGTTTCCA
GTGCAGGGTTGCAGCTGACTTACGGGATAATGGGAATTCTTGTTAAGTCATGGGCACACATCTTTGCCAC
CTCTAAAGCACAGAAGCTACTTTTTCGGATAATAGACTGTTTGTTGCTGCCACATACAGTGCTACAGCAA
GACAAGGAGCTGCCTGGACCCATGCTGACTGCAATTCAGAAGACGCTTCCTCTCTATCTACAGGGCATAT
GTATTGTATGCTGCCAGTCTCAAAATCCAAATGCCTACTTGAATCAGTTGCTGAGGAATGTCATTGAGCA
GTACATAGGGAGGTTTCTCCCAACCTCGCCCTGTGTTTCAGATCTGGGACAGCACCCTGTTCTGTTGGCA
CTGAGAAACCCTGCCTCTGTTCCCTCGATGACGCCTCTAAGAAAGCACACTGTCCATGCCATAAGGAAAT
CCTACCTTGAGTTCAAAGGGTCCTCACCCCCTCCTCGATTAGCATCCGTATTGGCCTTCGTCCTTCAGCT
CTTCAAGGACACCGAAATGGGTGCCTGTGACCTTGAGCTGCTCCTTCCTGGCATCCTGAAATGTTTGGTG
TTGGTAAATGAACCCCAAGTTAAAAAGCTGGCCACAGAGAACCTGCAGTGCATGGTACAAACCTGCCAAG
TGGGGTCAGAAGGAGGACCTGCCACCCAGCTGACTTCTCTGTTTAGGCAGTTCATCCAGGACTATGGTAT
GCAATACAGTTATCAAGTATACAGCATCCTAGAGACAGTAGCAACGCTGAATCAGCACGTTGTCATCCAA
TTGATTCCTACCCTCACTCAGTCTCTGAAGGATTCAGAGCTCAAATGGGGCCTCGGCAGAAATATTGCAC
AAAGGGAAGCATATAGCAGACTTTTATCTGGCCTAGGACAGGTAGGACAGGGCGAGAAGCAGAGACTGGA
AAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-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).

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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]

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