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Product datasheet for MC205306

Tonsl (NM_183091) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tonsl (NM_183091) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tonsl
Synonyms:	2810439M11Rik; Nfkbil2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC066068

CAGATTTTCGCGGCGGCGGTGGCTTGTCTGGCTATGACCCTGGAACAGGAGCTTCGCCAGCTGAGCAAGG
CCAAGACCAGGGCCCAGAGGAATGGACAGCTGCGCGAGGAGGCGGCCTACTGCCACCAGCTGGGGGAGCT
GCTGGCTAGCCACGGCCGCTTCAAGGACGCTTTGGAGGAGCACCAGCAGGAACTACATCTGCTAGAGAGC
GTCCAGGACACTCTAGGCTGCGCTGTGGCCCACCGCAAGATTGGAGAACGGCTGGCTGAAATGGAGAATT
ACTCTGCTGCTCTGAAGCACCAGCATCTCTACCTGGATCTGGCTGGTTCCCTGTCCAACCACACTGAACT
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TTGTTGCAGGCACAAGCTGCCTTTGAGAAGAGCTTGGCTATTGTGGATGAGAAACTAGAGGGGATGCTGA
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ACAGACAGCCCTGTGCAACAACTACTTCAAAAAGAGCATCTTTCTTGCTGAGCAGAACCATCTCTATGAA
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GACATCTTGAGATTGTTCGCTTCCTTCTGGACCATGGAGCAGCAGTGGATGACCCAGGTGGCCAGGGGTG

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TGATGGCATCACCCCCCTGCATGACGCCCTCAACTGTGGCCACTTTGAGGTAGCTGAATTACTCATTGAG
CGAGGGGCATCCGTGACTCTCCGTACCAGGAAGGGCCTCAGCCCACTGGAGACACTGCAGCAGTGGGTGA
AGTTGTACTTCAGGGACCTTGACCTTGAGACAAGACAGAAGGCGGCAACCATGGAGGAGAGGCTCCAGAT
GGCCTCCTCAGGCCAAGCTTCCCGCAGCTCCCCTGCCCTCCAGACCATTCCAAGTAACCATCTATTTGAC
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CAGACCAACCAGCAGCAGTAGCAGCTCAGAGGATGAGGATAACCCAAGTCCCTGCAGGCCATCGCAGAAA
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CGTCAAGTGCTTGCCGGGCGGCTTACCAAGCGGCCATCCGAGGCGTGGGTAGTGCCCAGAGCCGTCGCTT
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CGGAAGGATGGCGCACTGCTGGCCCCGCAGGACCCCATCCCTGACGTGCTGCAGAGCAACGATGAGGTGT
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CTGAAAACCTTGTCCTTATCGTACAATCTGCTCGGCGCTCCTGCCCTGGCGAGGGTGCTGCAGACCTTAC
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GCCTGTTATCAAATACTTGACCAAGGAAGGCTGTGCTCTGGCCCACCTAACCCTGTCCGCAAACTGCCTG
GGTGACAAGGCCGTGAGAGAACTGAGCAGATGTCTCCCTTGCTGCCCCTCACTCACCTCTCTGGACCTGT
CTGCCAACCCCGAGGTCAGCTGTGCCAGTCTAGAGGAGCTCTTGTCTGCCCTCCAAGAGCGGTCCCAAGG
CCTCAGCTTCCTTGGCCTATCAGGCTGCTCTATTCAAGGGCCGCTGAACTCTGACCTCTGGGACAAGATC
TTCGTGCAGTTGCAGGAGTTGCAACTGTGCACCAAAGACCTGAGCACCAAAGACCGAGACTCGGTGTGTC
AGAGACTGCCAGAGGGTGCGTGCACAATGGACCAAAGTTCCAAGCTCTTCTTTAAATGCCTCTGATCCTA
GTCCTGCCGTTTCCTCCAGAAGAAAAAGAAAAACCTTAATAAACTATGCTGCTATCTCAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: NM_183091

Insert Size: 3642 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:	BC066068, AAH66068
RefSeq Size:	4221 bp
RefSeq ORF:	3642 bp
Locus ID:	72749
UniProt ID:	Q6NZL6
Cytogenetics:	15 D3
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. Within the complex, may act as a scaffold (By similarity).[UniProtKB/Swiss-Prot Function]