

Product datasheet for **MC218974**

Donson (NM_021720) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Donson (NM_021720) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Donson
Synonyms:	1110025J21Rik; AI845729; ORF60
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218974 representing NM_021720
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGTCTCGGTGCCGGCTACTCGCCTAGCTTCAAGAGGCCGCTGAGACCGTGC GGCTCCGCCGGA
AAAGGTCTCGGGACCATGGTGCCGCCGTGCCCGCTCACTGCCGAGCCGCGCCCCGCCGCGCCGCT
GGCGGCTGGGCTGCCCTTGC GCCCTTCCCGACCGCCGCGCAGAGGAGCGCCGCCGCCGACCATCGCC
CGCAGGAACCTTTCGCTCGCCTGGACAACCGCCGCGAGTCTCGGACGAGGCCAGCGAAGAGCCGCTCC
GCGGTCTCAGGGGGCGTCGGGCCCGCTTCTAGATTCTAATGAAGAAAATAACTTGCTGTGGGAGGACAC
ATCATCTCATGAAAGAACTGGCACGGAAGTGTCCAGAGTCAACGTGTATCGTTGTCTGAATCGGACACT
TGGTCGTAGATGGTACTGAGTTACCTGTGGACTGGAGTATTAACCCGACTCCTTTTCACCTCTTCTC
AACCTTTTCTGGGCAGATCATCTGAAAGCACAGGAAGAAGCCCAAGGACTTGCCAGCATTGTAGGGC
AACAGAAGTGACTTTACCCAGAGTATACAGGATCCCAAAGTGTCCACTGCGCTGCGCTGCGCTCCAG
CAGGCTCTGGTCTACTGGCTTACCCCTGCCTTTTCGTGGCTGCCACTCTTCCCTAGAATTGGAGCTGATA
GGAAAATGGCTGCAAAGACAAGTCCGTGGTCAGCTGATGAAACCTGCAGCATGCTTTAATGAGCGACTG
GTCTGTGAGTTTACATCTCTGTATAACCTGCTGAAGACAAAGCTTTGTCCCTATTTCTATGTCTGCTCC
TATCAGTTCACCGTCTGTTCCGGGCAGCAGGACTGGCCGGAAGCAGTGTGATCAGCGCTCATATCCC
CTACGACAAGAGGCTTAAGAGAAGCTATGAGAAACGAAGTATTGAATTTTCTCTGCCTTACTAGAAGA
AATTGGCCATAAGAAGAAAGTTCGAGACCCAAGCCTGGAATCTGAGGAGGAGCAGGCAGTCAGTGACGAA
GATGAAGAGGAGAGTTTTTTCTGGCTGGAAGAGATAGCGGTGCAAGATCAAATTAAGAAGCCAGACGTGA
TCTCTATCAAGCTACGTAAGAAAAACATGAAGTACAAATGGACCACAGACCTGAGTCTGCTACTGGT
GAAAGGACTCAACACCTTCAAAGTCTCAATTTTTTATCAACTGCAAGAGTTTAGTTGCTACCTCAGGT
GCACAGGCAGGTCTCCACCCACTCTTTATCCCAATAGCCTTCCGAGGTGCCTCAATGCAAATGCTTA
AGGCACGGAGCAGTAATGTAAGACACAAGCTCTTTCTGGATACAGAGATAAGTTTAGTTTGATATCAC
AGGGCCTGTATGCCTCATGCATTGCATTCTATGAGCATGCTACTCCGATCTTACAGAGAGGGTCTTCT
TCTGCAGGACTGTATGCACACGAGCCAAGTGCAGTTTTCAATGTTGGCCTGTCTCTGGATAAAGAAGTGG
ACAGAAAAGTTGCTCGTGAGGACCTTGCTAATTGTGGGCTGCATCTAAAACCTGGAGCAGCTCAGTCA
GAGGCCAGTGTGGGAAGTCATCCCTGCGGAGTGTGAAATGAGTGACTACATTTAAGTTGGAGATCC
TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_021720

Insert Size: 1683 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_021720.1](#), [NP_068366.1](#)

RefSeq Size: 2336 bp

RefSeq ORF: 1683 bp

Locus ID: 60364

UniProt ID: [Q9QXP4](#)

Cytogenetics: 16 C3.3- C4

Gene Summary: Replisome component that maintains genome stability by protecting stalled or damaged replication forks. After the induction of replication stress, required for the stabilization of stalled replication forks, the efficient activation of the intra-S-phase and G/2M cell-cycle checkpoints and the maintenance of genome stability.[UniProtKB/Swiss-Prot Function]