

Product datasheet for **MR207869**

Mns1 (NM_008613) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mns1 (NM_008613) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mns1
Synonyms:	AW546487
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207869 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGACAAAAAGAGAGCTTTGAGCTTTAGTAAAAGCATCAGAAGTTAGTAGATGAAAAATTCGCA
 AATCATTTGAACATACAAGTCATGAATAAGTTAGAGAGGCAAGCCAAGAACCAAGTGGTGCAAAATGAAAA
 CGACGAGAAGGTGGAACGCCAGAGGTTCCCTCAGAGTGCTGCAGAATGAGCAGTTTGGCTCGACATGGAA
 GAAGCCATCCAAAAAGCAGAAGCAACAAGATGCTGAGGGATCGACAGCTTGAGCAGGAAGAGAGACTTG
 CAAACGAACTGGCCAGACTGAAGCAGGAGTCTGAAGGATAAGAAGATGAGGCAGCAAGTGAAGAGAA
 CAGCATTGAGCTCAGAGAGTTGGAGCAGAACTGAAAGCCGCTACATGAACAAAGAGAGAGCAGCCAG
 ATCGTGGAGAAGGACGCCATGAAGTATGAGCAGATGAAACGTGATGCGGAGATAGAAAGGATCATGATGG
 AGGAGCACGATAGGCTGCTGAAGGAAGAGAGCGCCAAGCAAGAGCGCGGAACAAGGAGAGGGCACAGTA
 CTACCTGGACCTGGAGAAGCAGCTGGAAGATCAAGAGAGGAGGAAGCAGGAGGCATACGAGCAGCTGCTG
 AAGGAGAACTCATGATAGACGAAATTTGTCAGGAAGATCTACGAGGAAGACCAGGTGGAAAGACAGCAAA
 AATTAGAAAAAAGAATGCAATTCAGAAGTATATTGAAGAATTCAGAGGGCACAAAGACTTCTGGAGACA
 AAAGAAGCGTGAGGAGATGGAGGAAGAGAACCGGAAAAATCATAGAGTTTGCAAACATACAGGAGCAAGA
 GAAGGCGAGCGGATGGCCAGAGTTCACGAGATCGAGGAAAAGAGGGTCCAGCGTCAGAATTTGCTGATGA
 AGCAGCTGGAGGAAACACTGCGGCAGCGGGATGACCTGGAGCAAGTGCAGGAGGAGCTGTACCAGGAGGA
 GCAGGCAGAGATCAAACTGAAAGTGAAGAAGAAGCAGAGCTGAGACTGAGGAGGCAGAGGGAGATG
 AAGCAAGACTTTGAAGACCAATGGCACTGAAGGAACTCATACTGCAGGCTGCAAAAGAGGAGGAAGAGA
 CCTTTAAGAAAGCCATGCTGGCCAAGTTTGCAGGAAGTACCAGCATTGAGCTCATGAATGCCAGAAACA
 GCGAATGAAGCAGCTGGAGCACAAACGCGCCGTGGAGAACTCATTGAAGAACCGCGGAGCCAGTTCCTC
 GCAGACAAACAACGTGAGCTGGAGGAATTGCAACTACAGCAAAGCGCGCAGGGCTGCATCAATGAGATTA
 TTGAAGAAGAGAGGCTGAGACTCCTCAAAGAACATGCTGCAAAGTTACTAGGCTATCTCCCAAAGGAGT
 GTTTAAAAGAGAAGACGATGTTGACATGCTTGGTGAAGAGTTCAGGAAGGCCTATCAGAAAAGGGATGGA
 GTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207869 protein sequence
 Red=Cloning site Green=Tags(s)

MATKKRALSFSEKHQKLVEKFRKSLNIQVMNKLERQAKNQVVQNEDEKVERQRFLRVLQNEQFELDME
 EAIQKAEANKMLRDRQLEQEERLANELARLKHESLKDCKMRQVRENSIELRELEQKLKAAAYMNERAAQ
 IVEKDAMKYEQMKRDAEIERIMMEEHRLLLKEESAKQERRNKERAQYYLDLEKQLEDQERRKQEAQEYQLL
 KEKLMIDEIVRKIYEEDQVERQQKLEKKNAIQKYIEEFQRAQDFWRQKKREEMEEENRKIEFANIQEQR
 EGERMARVHEIEEKRVQRNLLMKQLEETLRQRDDLEQVRQELYQEEQAEIIKLVKEEAEELRLRRQREM
 KQDFEDQMALKEILQAAKEEETFKKAMLAKFAEDDRIELMNAQKQRMKQLEHKRAVEKLEIERRSQFL
 ADKQRELEELQLQRRQGCINEIEEERLRLKEHAAKLLGYLPKGVFKREDDVMDLGEFRKAYQKRDG
 V

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_008613

ORF Size: 1476 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_008613.3](#), [NP_032639.1](#)

RefSeq Size: 1837 bp

RefSeq ORF: 1476 bp

Locus ID: 17427

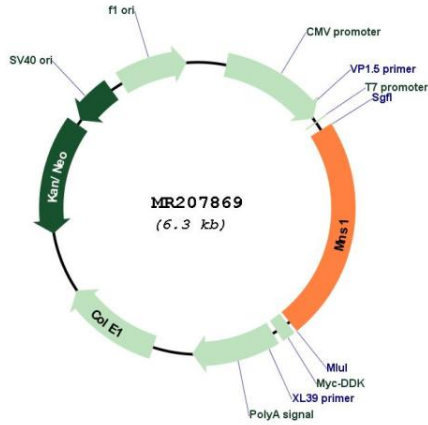
UniProt ID: [Q61884](#)

Cytogenetics: 9 D

MW: 60.2 kDa

Gene Summary: May play a role in the control of meiotic division and germ cell differentiation through regulation of pairing and recombination during meiosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207869