

Product datasheet for **MG207869**

Mns1 (NM_008613) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mns1 (NM_008613) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mns1
Synonyms:	AW546487
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207869 representing NM_008613
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGACAAAAAGAGAGCTTTGAGCTTTAGTAAAAGCATCAGAAGTTAGTAGATGAAAAATTCGCA
 AATCATTGAACATACAAGTCATGAATAAGTTAGAGAGGCAAGCCAAGAACCAAGTGGTGCAAAATGAAAA
 CGACGAGAAGGTGGAACGCCAGAGGTTCCCTCAGAGTGCTGCAGAATGAGCAGTTTGGCTCGACATGGAA
 GAAGCCATCCAAAAAGCAGAAGCAACAAGATGCTGAGGGATCGACAGCTTGAGCAGGAAGAGAGACTTG
 CAAACGAACTGGCCAGACTGAAGCACGAGAGTCTGAAGGATAAGAAGATGAGGCAGCAAGTGAAGAGAA
 CAGCATTGAGCTCAGAGAGTTGGAGCAGAACTGAAAGCCGCTACATGAACAAAGAGAGAGCAGCCAG
 ATCGTGGAGAAGGACGCCATGAAGTATGAGCAGATGAAACGTGATGCGGAGATAGAAAGGATCATGATGG
 AGGAGCACGATAGGCTGCTGAAGGAAGAGAGCGCCAAGCAAGAGCGGCAACAAGGAGAGGGCACAGTA
 CTACCTGGACCTGGAGAAGCAGCTGGAAGATCAAGAGAGGAGGAAGCAGGAGGCATACGAGCAGCTGCTG
 AAGGAGAACTCATGATAGACGAAATTTGTCAGGAAGATCTACGAGGAAGACCAGGTGGAAAGACAGCAAA
 AATTAGAAAAAAGAATGCAATTCAGAAGTATATTGAAGAATTCAGAGGGCACAAGACTTCTGGAGACA
 AAAGAAGCGTGAGGAGATGGAGGAAGAGAACCGGAAAAATCATAGAGTTTGCAAACATACAGGAGCAAGA
 GAAGGCGAGCGGATGGCCAGAGTTCACGAGATCGAGGAAAAGAGGGTCCAGCGTCAGAATTTGCTGATGA
 AGCAGCTGGAGGAAACACTGCGGCAGCGGGATGACCTGGAGCAAGTGCAGGAGGAGCTGTACCAGGAGGA
 GCAGGCAGAGATCAAACTGAAAGTGAAGAAGAAGCAGAGCTGAGACTGAGGAGGCAGAGGGAGATG
 AAGCAAGACTTTGAAGACCAATGGCACTGAAGGAACTCATACTGCAGGCTGCAAAAGAGGAGGAAGAGA
 CCTTTAAGAAAGCCATGCTGGCCAAGTTTGCAGGAAGATGACCGCATTGAGCTCATGAATGCCCAACA
 CGGAATGAAGCAGCTGGAGCACAAACGCCCTGGAGAACTCATTGAAGAAGCCGAGCCAGTTCCTC
 GCAGACAAACAACGTGAGCTGGAGGAATTGCAACTACAGCAAAGCGCGCAGGGCTGCATCAATGAGATTA
 TTGAAGAAGAGAGGCTGAGACTCCTCAAAGAACATGCTGCAAAGTTACTAGGCTATCTCCCAAAGGAGT
 GTTTAAAAGAGAAGACGATGTTGACATGCTTGGTGAAGAGTTCAGGAAGGCCTATCAGAAAAGGGATGGA
 GTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207869 representing NM_008613
 Red=Cloning site Green=Tags(s)

MATKKRALSFSEKHQKL VDEKFRKSLNIQVMNKLERQAKNQVVQNEDEKVERQRFLRVLQNEQFELDME
 EAIQKAEANKMLRDRQLEQEERLANELARLKHESLKDCKMRQOVRENSIELRELEQKLKAAVMNKERAAQ
 IVEKDAMKYEQMKRDAEIERIMMEEHDRLLKEESAKQERRNKERAQYYLDLEKQLEDQERRKQEAQEYQLL
 KEKLMIDEIVRKIYEEDQVERQQLEKKNAIQYIEEFQRAQDFWRQKKREEMEEENRKIEFANIQEQR
 EGERMARVHEIEEKRVQRNLLMKQLEETLRQRDDLEQVRQEL YQEEQAEI IKLVKVEEAELRLRQREM
 KQDFEDQMALKEILQAAKEEETFKKAMLAKFAEDDRIELMNAQKQRMKQLEHKRAVEKLEERRSQFL
 ADKQRELEELQLQRRQGCINEIEEERLRLKEHAAKLLGYLPKGVFKREDDVMDLGEFRKAYQKRDG
 V

TRTRPLE – GFP Tag – V

Restriction Sites:

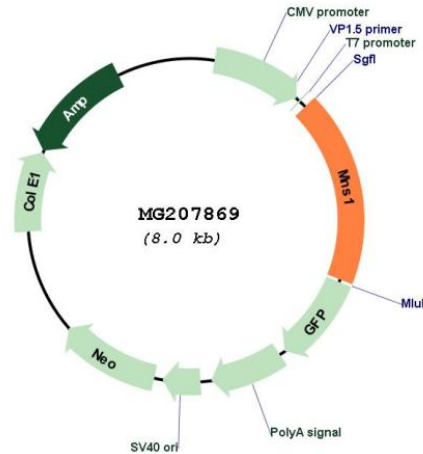
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



	<i>EcoRI</i>	<i>BamHI</i> <i>KpnI</i>	RBS	<i>SgfI</i>	<i>AscI</i>	
	<i>Kozac</i> Consensus					
	CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGGCCAGATCT					
<i>HindIII</i>	<i>NheI</i> <i>RsrII</i>	<i>MluI</i>	<i>NotI</i>	<i>XhoI</i>	GFP Tag	
CAAGCTTAACTAGCTAGCGGACCG	ACG CGT	ACG CGG CCG	CTC GAG	ATG GAG AGC GAC	---	---
	T R T R P L E			M E S D	- - -	- - -
	<i>PmeI</i> <i>FseI</i>					
---	GAA GAA AGA GTT TAA	ACGGCCGGCCGGGAGCT				
- - -	E E R V	Stop				

Plasmid Map:


ACCN: NM_008613

ORF Size: 1473 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: 1836 bp

RefSeq ORF: 1476 bp

Locus ID: 17427

UniProt ID: [Q61884](#)

Cytogenetics: 9 D

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]