

Product datasheet for **MG205000**

H2-M3 (NM_013819) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H2-M3 (NM_013819) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	H2-M3
Synonyms:	H-2M3; Hmt; M3a; MuprM3; MuprM301; MuprM302; R4B2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205000 representing NM_013819 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGTCCTCAAGCAACTGCGCTCTCCTGCACATGGTGGTGGTCTCTTTGGCTGTTACCCAAACAGGTT
CTGGCTCACATTCAGTGCCTATTTCCACACTGCGGTGTCACGGCCGGCCGTGGGGAGCCCCAGTATAT
CTCTGTGGGCTATGTTGACGACATGCAGTTTCAGCGCTGTGATAGCATTGAGGAAATTCGAGGATGGAG
CCTCGTGCACCTTGGATGGAGAAGGAAAGACCAGAGTACTGGAAGGAGCTGAAACTCAAGGTCAAGAACA
TTGCACAAAGTGCCAGAGCAAACCTTCGGACCCTGCTCCGCTACTACAACCAGAGTGAAGCGGCTCTCA
CATCCTGCAGTGGATGGTTTCTGTGAGGTAGGGCCAGACATGCGCCTTCTTGGAGCCCACTATCAGGCT
GCGTATGATGGCTCAGATTACATCACCCCTGAATGAAGACCTGAGCTCCTGGACTGCAGTGGACATGGTGT
CTCAGATCACGAAGAGCCGTTTAGAGTCAGCTGGCACAGCAGAGTACTTCAGGGCCTATGTGGAGGGAGA
GTGCTGGAGCTGCTCCACAGATTCTCGGGAATGGCAAGGAGATTCTTCAGCGAGCAGATCCCCAAAG
GCACATGTGGCCCATCACCCGAGACCCAAAGGTGATGTTACCTTGAGGTGCTGGGCTCTGGGCTTCTACC
CTGCTGACATCACCCCTGACCTGGCAGAAGGATGAAGAGGACCTGACCCAGGACATGGAGCTTGTGGAAAC
GAGGCCCTCAGGGGATGGAACCTTCCAGAAGTGGCAGCTGTGGTGGTGCCTTCTGGAGAGGAGCAGAGA
TACACATGTTATGTGCACCATGAGGGGCTAACCCAGCCCTTGCCTGAAATGGGAAGATCGTCTCAAT
CATCTGTCGTCAATCATGTCATGTCATGTCATGTCATGTCATGTCATGTCATGTCATGTCATGTCATGTCAT
GTGCAAGAGGAGGGGTGCAGGGGAAAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205000 representing NM_013819
 Red=Cloning site Green=Tags(s)

MGSSSNCALLHMVVVSLAVTQTGSGSHSLRYFHTAVSRPGRGEPQYISVGYVDDMQFQRCDSEIEEIPRME
 PRAPWMEKERPEYWKELKLVKNIAQSARANLRTLRLRYNQSEGGSHILQWMVSCVEVGPDMRLPGAHYQA
 AYDGSYITLNEGLSSWTAVDMVSQITKSRLSAGTAEYFRAYVEGECELELLHRFLRNGKEILQRADPPK
 AHVAHHRPKGDVTLRCWALGFYPADITLTWQKDEEDLTQDMELVETRPSGDGTFQKWAAVVPSGEEQR
 YTCYVHHEGLTEPLALKWGRSSQSSVIMVIVASLVLLGGVITIVVVKRRRGAGER

TRTRPLE - GFP Tag - V

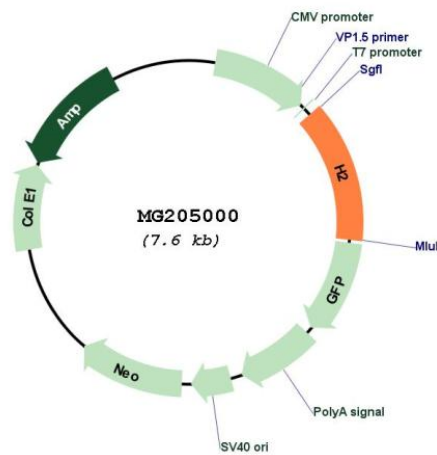
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_013819

ORF Size: 1008 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:	<ol style="list-style-type: none">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_013819.2 , NP_038847.1
RefSeq Size:	1425 bp
RefSeq ORF:	1011 bp
Locus ID:	14991
Cytogenetics:	17 19.16 cM