

Product datasheet for **MG205891**

Nme7 (BC038021) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nme7 (BC038021) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nme7
Synonyms:	Nm23-M7, Nm23-r7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205891 representing BC038021 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGACAAATCAGAGCGAGAGATTTCGTTTCATTGCAGAGTGGTATGATCCAAATGCTTCATTGCTCC
GACGCTATGAGCTGCTGTTTTACCCACAGACGGATCTGTTGAAATGCATGATGTAAGAATCGTCGCAC
CTTCTTAAAGCGGACCAAGTATGAGGACCTGCGCCTGGAAGATCTATTTATAGGCAACAAAGTCAATGTG
TTTTCTCGACAGCTGGTGTGATTGACTATGGGACCAATACACAGCCCGCCAGCTGGGCAGCAGGAAAG
AGAAAACTTTAGCCCTGATCAAACCAGATGCAGTGTCAAAGCCGGAGAAATCATTGAGATGATAAACAA
AAGTGGATTTACTATAACCAAATCCGAATGATGACTCTGACAAGGAAAGAAGCAGCGGACTTTTCATGTA
GACCATCACTCAAGGCCTTTTTATAACGAATGATCCAGTTTATCACAAGTGGGCCTGTTATTGCCATGG
AGATCTTAAGAGATGACGCGATCTGTGAGTGGAAAAGGTTGCTTGGACCCGCAAATCTGGGCTATCACG
GACAGATGCCCCCGGAAGCATCCGAGCCCTCTTTGGGACAGATGGCGTGAGAAATGCAGCTCACAGCCCT
GATACTTTTGCATCTGCTGCCAGAGAAATGGAATTGTTTTTCTTCAAGTGGAGGCTGTGGCCAGCGA
ACACTGCTAAATTTACCAATTGCACCTGTTGCATCATTAAAGCCTCATGCTATCAGTGAAGGAATGTTGGG
AAAGATTTTAAAGCTATTCGGGATGCATGCTTTGGAATGTCAGCGATACAGATGTTCAATTTGGATCGG
GCTAATGTTGAAGAATTCTATGAAGTCTATAAAGGTGTAGTGTCTGAGTATAATGATATGGTGACAGAGC
TGTGCTCCGGCCCTTGGTAGCAATAGAGATCCAACAGAGCAACCCTACAAGACATTTGAGAAATCTG
CGGACCTGCTGATCCTGAAATCGCCCGGATTTACGACCTGAGACCCCTCAGGGCAATTTTGGTAAACT
AAGTTTCAAATGCTGTTTCATTGCACGGATCTGCCGGAGGATGGGCTCCTGGAGTCCAGTATTTCTTCA
AGATCTTGATAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205891 representing BC038021
 Red=Cloning site Green=Tags(s)

MKTNQSERFAFIAEWYDPNASLLRRYELLFYPTDGSVEMHDVKNRRTFLKRTKYEDLRLEDLFIGNKVVN
 FSRQLVLIDYGDQYARQLGSRKEKTLALIKPDAVSKAGEIEMINKSGFTITKLRMMTLTRKEAADFHV
 DHHSRPFYNELIQFITSGPVIAMEILRDDAICEWKRLGPANSGLSRTDAPGSIRALFGTDGVRNAAHSP
 DTFASAAREMELFFPSSGGCGPANTAKFTNCTCCIIPKPHAISEGMLGKILIAIRDACFGMSAIQMFNLDR
 ANVEEFYEYVYKGVVSEYNDMVTELCSGPCVAIEIQSNPTKTFREFCGPADPEIARHLRPETLRAIFGKT
 KVQNAVHCTDLPEDGLLEVQYFFKILDN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC038021

ORF Size: 1134 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: [BC038021.1](#)

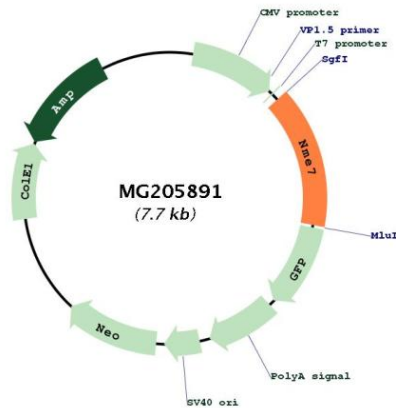
RefSeq Size: 1780 bp

RefSeq ORF: 1136 bp

Locus ID: 171567

Cytogenetics: 1 H2.2

Product images:



Circular map for MG205891