

Product datasheet for **MG211506**

Man2c1 (NM_028636) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Man2c1 (NM_028636) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Man2c1
Synonyms: 1110025H24Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG211506 representing NM_028636
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCAGCGCGTTCTTGAAGCACTGGCGCACCACTTTCGAGCGGGTGGAGAAGTTCGTGTCCCGA
 TCTACTTCACCGACTGTAACCTTCGCGGACAGGCTCTTCGGGGACAGCTGCTCGGTGACACTCTCCAGCTT
 CCTGACGCCCCGAGAGGCTTCCCTATGAGAAGCGGTGCAGCAGAAGTTCAGCCCTGCGCAGGTGGCGAC
 AGCTTCGGACCCACATGGTGGACCTGCTGGTTTCGGGTAGAACTGGTCATCCCTGAAGTTTGGGTGGCC
 AGGAAGTTCATCTTTGCTGGGAAAGCGATGGAGAAAGCCTTGTCTGGCGTGATGGGAACCTGTCCAGGG
 TTTGACCAAAGAAGGCGAAAAGACCAGTTATGTCCTGAGCGAGAGGCTGCGAGCATCAGACCCTCGGAGC
 TTGACTCTCTATGTGGAAGTAGCCTGCAATGGGCTTCTGGGGGCCGGAAGGGAAGCATGATCGCAGCCC
 CTGACCCAGAGAAGATGTTCCAGCTGAGCCAGGCTAAACTGGCTGTGTTCCACCGGGATGTCCACAGTCT
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 GCCCTGCACACAGCCAACCAGATGGTGAACATATGTGACCCTGCTCAGCCTGAGACTTACCAGCAGCCA
 AAGCCCTGGCCTCCAAGTCTTTGGCCAACATGGAGGTGAAAGCCAGCATACCATCCATGCCATGGGACA
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 GCTACTCAGCACAGCTCCCCAGATCATGCAAGGCTGTGGCATCAAGCGCTTCTGACCCAGAACTGAG
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 ACAACCGGACAAGGGGGGACCAACCACAGTGGCTTCTCTTCGGCTTCGGGGATGGGGAGGTGGCC
 CACACAGACCATGTTGGACCGATTGAAGCGGCTGAGCAACTGATGGGCTGCCAGGGTGCAGTATCT



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TCTCCTGGCCAGCTCTTACGGCACTGGAGAGAGACTCAGGACAGCTGTGCACATGGGTTGGAGAACTCT
 TCCTGGAAGTGCACAATGGCACCTACACTACGCATGCCAGCTCAAGAAGGGGAACAGAGAATGTGAGCA
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 TGCACCAAGGCTCCAGACGCTACTGCTGACATGGGGCGCCATGAATCACTTACGCTTTGATGCCACAC
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 AGCCATGTGGACTGCTGGCTGCACACGTCGTTGCCTGTTTCAGGAGGCCACCCTTTGTGACCTCCTGGAGC
 AGCGAGACCCCACTGGTCACTTTCCCTCCAGGACAACCGTCTGAAGCTCACTTTTCTCCCTTCCAAGT
 GAGATCCCTATTGCTTGTGCTTCACTCCACCAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG211506 representing NM_028636
 Red=Cloning site Green=Tags(s)

MAAAPFLKHWRTTFERVEKVFSPYIYFTDCNLRGRFLFGDSCSVTLSSFLTPERLPYEKAVQQNFSPAQVGD
 SFGPTWTCWFRVELVIPEVWVQEVHLCWESDGLVWRDGPVQGLTKEGEKTSYVLSERLRASDPRS
 LTLYVEVACNGLLGAGKGSMAAPDPEKMFQLSQAQLAVFHRDVHSLLDLELLLVAKGLGEDSQRSFQ
 ALHTANQMVNICDPAQPETYPAAKALASKFFGQHGGESQHTIHAMGHCHIDTAWLWPFKETVRKCARSW
 TAVTLMEQNTDFIFACSAQQLEWVKSQYPGLHARLQEFACRQQFVPVGGTWWEMDGNLPSGEAMVRQFL
 QGQNFLLQEFGKMCSEFWLPDTFGYSAQLPQIMQCGIKRFLTQKLSWNLVNSFPHTFFWEGLDGSRLV
 VHFPPGDSYGMQGSVEEVLTVTNNRDKGRTNHSGFLFGFGDGGGPTQTMLDRLKRLSNTDGLPRVQLS
 SPGQLFTALERDSGQLCTWVGELFLELHNGTYTTAQLKKNRECEQILHDVEVLSSLALARSAQFLYPA
 AQLQHLWRLLLLNQFHDVVTGSCIQLVAEDAMNYEDIRSHGNPLLSAAAAALCAGEPGPKLLIINTLP
 WKRTEVLALPKPCGAHSLALVTVPSIGYAPAPTPTSLQPLLPQPPVFMQETDGSVTLDNIGIIRVRLDPT
 GCLTSLVLVASGREIAEALGNQFVLFDDVPLYDAWDVMDYHLETRKPVLGQAGTLAVGTEGGLRGA
 WFLQISPNSRSLSQEVLDVGCYVRFHTEVHWHEAHKFLKVEFPARIRSPQATYEIQFGLHQRPTHNT
 SWDWAREVWAHRWIDLSECDLGLALLNCKYASVRGNVLSLLRAPKAPDATADMGRHEFTYALMPH
 KGSFQEAGVIHAAYNLNFPLLALPAGPAPDTTWSAFVSSPAVVLETIKQAERCHQHRTLVLRLYEAHG
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TRTRPLE - GFP Tag - V

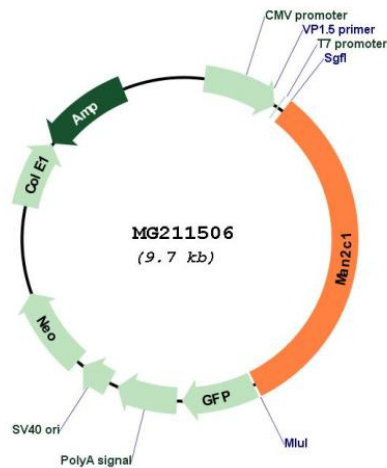
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_028636

ORF Size: 3117 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_028636.1
RefSeq Size:	3221 bp
RefSeq ORF:	3120 bp
Locus ID:	73744
UniProt ID:	Q91W89
Cytogenetics:	9 B
Gene Summary:	Cleaves alpha 1,2-, alpha 1,3-, and alpha 1,6-linked mannose residues from glycoproteins. Involved in the degradation of free oligosaccharides in the cytoplasm.[UniProtKB/Swiss-Prot Function]