

Product datasheet for **MG211458**

Man2b2 (NM_008550) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Man2b2 (NM_008550) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Man2b2
Synonyms:	mKIAA0935
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211458 representing NM_008550 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCCGCTGCGCTGGCTGCCGCTACTCGGCCAGCTGTTGCTGTTGTGGCCGCGGGCAGCTCAGCCCCG
CCGGCCCCGATCCGGGCCCTTCGTGGTGCCCCACAGTCACATGGACGTGGGCTGGTCTTCACGGTCCAGGA
AAGCATGAGAGCCTATGCAGCCAATGTCTACACTACCGTGGTGGCGAACTGGTCCGCGGAGGGCAGCGG
CGCTTCATCGCCGTGGAGCAGGAGTTCTCCGGCTGTGGTGGGACGGTGTGGCCTCTGAGCAGCAGAAAC
AGCAGGTCGCGCCAGCTCCTGCATGAAGGACGCCTGGAGTTTGTCTCGGAGGCCAAGTCATGCATGATGA
GGCTGTGACCCACCTGGATGACCAGATCTTACAGCTCACAGAAGGACATGGCTTTCTCTATGAAAGGTTT
GGAATCCGGCCACAGTTCTCCTGGCACGTGGACCCCTTTCGGTGCATCAGCAACGACCCCTACCCTGTTTG
CCCTGGCAGGCTTCAATGCCATCTCATCTCTCGTATTGACTACGACCTCAAGGATGCCATGCAGGAAGC
TCAGATGCTGCAGTTCGTGTGGCATGGTCCCCATCCCTGTCCAGGGCAGCAGGAAATCTTCACTCACGTC
ATGGACCATTATAGCTACTGCACCCCTCACACATCCCTTTTCTAACAGGTCTGGATTTTACTGGAATG
GTGTGGCCGTCTCCAGAGCCACCCCAAGCGCGTGTATCCTAACATGAGCGAGCCTGTACCCGGAGC
CAACATCCACCTCTACGCTGAGGCTCTGGTGGCCAACGTTAAACAGAGGGCTGCGTGGTTCCGGACGCCC
CAGTCCCTTGCCCTGGGATGTGACAAGCAGTTCCTCAATGCCTCGGTGCAGTACGCCACACTGAACGA
CCCTGCTGGACTACATCAACCAGCGCACGGCCAGTTTGGCATCTCGGTGCAGTACGCCACACTGAACGA
CTACTTCAAGCCCTGCACGCCCAACATGACCTGGGGCATCCGTGACCACCAGGACTTCTTCCCTAT
TCTTCAGAACCCTTCAAGCCTGGACCGCTTCTACACATCCCGGAGCACCCCTCAAGGGTCTAGCGAGAC
AAGCCAGTGCCTTGCTCTATGCTGGGAGTCCATGTTACACGCTACATGTGGCCAGACCCCAAGTGGGAC
TCTGGACCCTACCTGGGCCCTGCAGCAGCTCCAACAGCTTCGCTGGGCTGTGTCTGAGGTCCAGCACCCAC
GATGCCATCACAGGCACTGAGTCCCCCAAGGTGAAGAATGTACACGGAACATCTCAGGATGGGGATGC
TGGCGTGGCAAGCTGATGGTCTCCATTGCCCTGGGCGGGCCCCAGGGTCTGGCACAGGAGCCCCCAA
AGACATCATGGGGCTCAAGTGACACCTGCTCCTCGGTAGACACAAGGCTGTAGGATACTCCGCTCT



[View online >](#)

GTGTACAACCCGCTGGCCTGGAAGATCACCACCATTATCACCCCTGACTGTCGCTTCCCAATGTCAGCG
 TCACCGATGAGTTGGGCCACCCGGTGTCAACACAGATTGAGAAGCTCTACAAGGACCCCTTCTGCATACGA
 CCTGCTCATCCTGACCACCATCCCCGGCCTCAACTATCGGCACTATCAAGTCATGCACGCCCGGGGAC
 CAGGCAGGCACCAGGGAGCTGGTCGCCCCAGGGCCAACCCCTCAAGTTTAGTCTCAAAGTGGGAACC
 AGCCCAGCCAGGAAGGCAAGCGCCTGGTGCCCGTATGAATGACTGCTATATTCTGCTGTTCCAGCAGGA
 CACCAACATGTTACATAGCATTGAGGATAGACAGAGCAACCCGACGGTGGCATGACCCAAGAGTTCCCTG
 GAGTACCAGGCAACTGGGACGTGAAGCAGGGCCCAATTTCTGACAACTACCTCTTTCACCCAACAACA
 CCGCTGAGCCTTCTGGGAAGCGGTGGGGATGGAAATGGTGGCAGGCACACTGGTAACGGACATAAGGCA
 GTATTTCTACAGGTACATAACAGACCAGGAGTACATCTATTCCATCCACACCCGCTGGCCACCCGAGC
 CTCGCTGGAGAAGTCTCTGCCAACGGATAGAGCAGCAGTACCGAGTGGGCCCCCTGGACCTAAACCGTG
 AGGCCATCCTGAGGACCAGCAGCAGCTAAACAGCCAGCAAGTCTCTACTCTGACAACAACGGCTACCA
 GATGCAGCGGAGGCCCTACAAGGCTTCAAGAGCAATCCATCCCCGGAATTACTACCCCATGGTACAG
 TCAGCCTTCATCGAGGATGACAAGAGCAGGCTGGTGTCTGGCAGAGCGACCCGACGGTGTCTCCAGCC
 AAGGGAATGGGCAGGTGGAGGTGATGCTCCATCGACGGCTGTGGAACAACCTGGCCTGGGACCTGAAGTA
 CAACCTCAGCTGAACGACACCTCCATTGTCCACCCGGTCTCTGGCTCATGCTGGGGCCCAAGTCCACC
 ATGACGGCCCTGCACCAAGGAGTGGGGTGGCTCTGCAGCACGGGCCCGTGTGTGTTAAAGAAGTGG
 CTGACGAAGAAACGCCCGTTACGGACCCACAATCCCTGGCCTGTGACACTGCCCCAAACCTGCATCT
 GCAGATCCTCAGCGTACCTGGCTGGACGTACAGCAGGAGCCATGCCACGACCTGAGGAACCTTCAGAGA
 GGCCACCCGGAGAAGCCACAGGCCAACCTGCAAAGGGTGTCTGCGCCTGCGCCACCTGTATGAAGCAG
 GGGAGGACCCAGTACTGTCTCGGCTGCGACAGTGGATCTCAAGGTTGTACTTCGAGGACTAGGGTCTGT
 AGTGGCTGTGGAGAACGCTCACTCACAGGACCTGGGATGTGCAGATGCTGCAGCGTGGCACTGGAGC
 ACAAGACTGACCACCTGAAAGGCCACCCACCTCTCCACCAAGGCCACCAGGAGGCTCCATCATACCCG
 TGTACCCTAAGGAAATCCGGACCTTCTTATTAATTCAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG211458 representing NM_008550
 Red=Cloning site Green=Tags(s)

MGPLRWLPLLGQLLLWPRAAQPAGPIRAFVVPVSHMDVGVVFTVQESMRAYAANVYTTVAELVRGGQR
 RFIAVEQEFFRLLWWDGVASEQQKQVVRQLLHEGRLEFVLGGQVMHDEAVTHLDDQILQLTEGHGFLYETF
 GIRPQFSWHVDPFGASATPTLFAAGFNAHLISRIDYDLKDAMQEAQMLQFVWHGSPSLSGQEIFTHV
 MDHYSYCTPSHIPFSNRSGFYWNGVAVFPEPPPDGVYPMSEPVGTGANIHLIAEALVANVKQRAAWFRTP
 HVLWPWGCDKQFFNASVQFDNMDPLLDYINQRTAQFGISVQYATLNDYFQALHATNMTWGIKRDHDFLPY
 SSEPLQAWTGFYTSRSTLKLARQASALLYAGESMFTRYMWPDPSTLDPTWALQQLQQLRWAVSEVQHH
 DAITGTESPKVKNMYTEHLRMGMLGVRKLMVSIALGGPPGSGTGAPKDIMGPQVTPVLSVDTRPVGYSAS
 VYNPLAWKITTIITLTVAFPNVSVTDELGHPVSTQIQNSTKDPSAYDLLILTTIPGLNRYHYQVMHARGD
 QAGTREL VAPRANTLKFSLKLRNQPSTQEGKRLVPVMNDCYILLFDQDTNMLHSIQDRQSNRTVRMTQEF
 EYQANWDVKQGPISDNYLFAFNNTAEPSEAVGMEVAGTLVTDIRQYFYRYITDQEYIYSIHTRLAHPS
 LAGELLQRIEQYRVGPLDLNREAILRTSSDLNSQVLYSDNNGYQMRRPYKAFKSNP IPRNYPMVQ
 SAFIEDDKSRLVLLAERPHGVSSQNGQVEVMLHRRLWNNLAWDLKYNLTLNDTSIVHPVLWMLGPKST
 MTALHPRSGVALQHGPVVLLKELADEETPVHGPHNPWPVTLPPNLHLQILSVPGWYSRSHAQHLRNLQR
 GHPEKPQANLQRVLLRLRHLYEAGEDPVL SRPATVDLKVLRGLGSSVAVEERSL TGTWDVQMLQRWHWS
 TKTDHLKGHPTSPRPPGGSIITVYPKEIRTF IKFQQ

TRTRPLE - GFP Tag - V

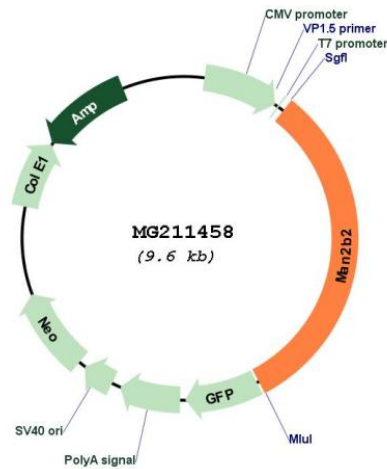
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008550

ORF Size: 3054 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_008550.2 , NP_032576.2
RefSeq Size:	3434 bp
RefSeq ORF:	3057 bp
Locus ID:	17160
UniProt ID:	O54782
Cytogenetics:	5 B3
Gene Summary:	Plays an important role in the early step of spermatogenesis.[UniProtKB/Swiss-Prot Function]