

Product datasheet for MR211458

Man2b2 (NM_008550) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Man2b2 (NM_008550) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Man2b2
Synonyms:	mKIAA0935
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211458 representing NM_008550 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCCGCTGCGCTGGCTGCCGCTACTCGGCCAGCTGTTGCTGTTGTGGCCGCGGGCAGCTCAGCCCCG
CCGGCCCCGATCCGGGCCCTTCGTGGTGCCCCACAGTCACATGGACGTGGGCTGGTCTTCACGGTCCAGGA
AAGCATGAGAGCCTATGCAGCCAATGTCTACACTACCGTGGTGGCGAACTGGTCCGCGGAGGGCAGCGG
CGCTTCATCGCCGTGGAGCAGGAGTTCTCCGGCTGTGGTGGGACGGTGTGGCCTCTGAGCAGCAGAAAC
AGCAGGTCGCGCCAGCTCCTGCATGAAGGACGCCTGGAGTTTGTCTCGGAGGCCAAGTCATGCATGATGA
GGCTGTGACCCACCTGGATGACCAGATCTTACAGCTCACAGAAGGACATGGCTTTCTCTATGAAAGGTTT
GGAATCCGGCCACAGTTCTCCTGGCACGTGGACCCCTTTCGGTGCATCAGCAACGACCCCTACCCTGTTTG
CCCTGGCAGGCTTCAATGCCATCTCATCTCTCGTATTGACTACGACCTCAAGGATGCCATGCAGGAAGC
TCAGATGCTGCAGTTCGTGTGGCATGGTCCCCATCCCTGTCCAGGGCAGCAGGAAATCTTCACTCACGTC
ATGGACCATTATAGCTACTGCACCCCTCACACATCCCTTTTCTAACAGGTCTGGATTTTACTGGAATG
GTGTGGCCGTCTCCAGAGCCACCCCAAGCGCCAGTGTATCCTAACATGAGCGAGCCTGTACCCGGAGC
CAACATCCACCTCTACGCTGAGGCTCTGGTGGCCAACGTTAAACAGAGGGCTGCGTGGTTCCGGACGCCC
CAGTCCCTTGCCCTGGGATGTGACAAGCAGTTCCTCAATGCCTCGGTGCAGTACGCCACACTGAACGA
CCCTGCTGGACTACATCAACCAGCGCACGGCCAGTTTGGCATCTCGGTGCAGTACGCCACACTGAACGA
CTACTTCAAGCCCTGCACGCCACCAACATGACCTGGGGCATCCGTGACCACCAGGACTTCTTCCCTAT
TCTTCAGAACCCTTCAAGCCTGGACCGCTTCTACACATCCCGGAGCACCCCTCAAGGGTCTAGCGAGAC
AAGCCAGTGCCTTGCTCTATGCTGGGAGTCCATGTTACACGCTACATGTGGCCAGACCCAGTGGGAC
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TGGCGTGGCAAGCTGATGGTCTCCATTGCCCTGGGCGGGCCCCAGGGTCTGGCACAGGAGCCCCCAA
AGACATCATGGGGCTCAAGTGACACCTGCTCCTCGGTAGACACAAGGCTGTAGGATACTCCGCTCT



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GTGTACAACCCGCTGGCCTGGAAGATCACCACCATTATCACCCCTGACTGTCGCTTCCCAATGTCAGCG
 TCACCGATGAGTTGGGCCACCCGGTGTCAACACAGATTGAGAAGCTCTACAAGGACCCCTTCTGCATACGA
 CCTGCTCATCCTGACCACCATCCCCGGCCTCAACTATCGGCACTATCAAGTCATGCACGCCCGGGGAC
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 GATGCAGCGGAGGCCCTACAAGGCTTCAAGAGCAATCCATCCCCGGAATTACTACCCATGTTACAG
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 GCAGATCCTCAGCGTACCTGGCTGGACGTACAGCAGGAGCCATGCCAGCACCTGAGGAACCTTCAGAGA
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 GGGAGGACCCAGTACTGTCTCGGCTGCGACAGTGGATCTCAAGTTGTACTTCGAGGACTAGGGTCTGT
 AGTGGCTGTGGAGAACGCTCACTCACAGGACCTGGGATGTGCAGATGCTGCAGCGTGGCACTGGAGC
 ACAAGACTGACCACCTGAAAGGCCACCCACCTCTCCACCAAGGCCACCAGGAGGCTCCATCATACCCG
 TGTACCCTAAGGAAATCCGGACCTTCTTATTAATTCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211458 representing NM_008550
 Red=Cloning site Green=Tags(s)

MGPLRWLPLQLLLLLWPRAAQPAGPIRAFVVPVPHSHMDVGVVFTVQESMRYAANVYTTVAELVRGGQR
 RFIAVEQEFFFRLWWDGVASEQQKQVRLLEHGRLEFVLGGQVMHDEAVTHLDDQILQLTEGHGFLYETF
 GIRPQFSWHVDPFGASATPTLFFALAGFNAHLISRIDYDLKDAMQEAQMLQFVWHGSPSLSGQQEIFTHV
 MDHYSYCTPSHIPFSNRSGFYWNGVAVFPEPPPDGVYPMSEPVGTGANIHLIAEALVANVKQRAAWFRTP
 HVLWPWGCDKQFFNASVQFDNMDPLLDYINQRTAQFGISVQYATLNDYFQALHATNMTWGI RDHQDFLPY
 SSEPLQAWTGFYTSRSTLKGLARQASALLYAGESMFTRYMWPDPSTLDPTWALQQLQLRWAVSEVQHH
 DAITGTESPKVKNMYTEHLRMGMLGVRKLMVSIALGGPPGSGTGAPKDIMGPQVTPVLSVDTRPVGYSAS
 VYNPLAWKITTIITLTVAFPNVSVTDELGHPVSTQIQNSTKDPSAYDLLILTTIPGLNRYHYQVMHARGD
 QAGTRELVAPRANTLKFSLKLRNQPSEQGKRLVPMNDCYILLFDQDTNMLHSIQDRQSNRTVRMTQEF
 EYQANWDVKQGPISDNYLFAPNNTAEPSSWEAVGMEMVAGTLVTDIRQYFYRYITDQEYIYSIHRLAHP
 LAGELLQRIEQQYRVGPLDLNREAILRTSSDLNSQQVLYSDNNGYQMQRPPYKAFKSNIPRNYPMVQ
 SAFIEDDKSRLVLLAERPHGVSSQNGQVEVMLHRRLWNNLAWDLKYNLTLNDTSIVHPVLWMLGPKST
 MTALHPRSGVALQHGPVLLKELADEETPVHGHNPWPVTLPPNLHLQILSVPGWYTSRSHAQHLRNLQR
 GHPEKPQANLQRVLLRLRHLYEAGEDPVL SRPATVDLKVLRGLGSVVAVEERSL TGTWDVQMLQRWHWS
 TKTDHLKGHPTSPRPPGGSIITVYPKEIRTFIKFQQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9006_a08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


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:

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](#)

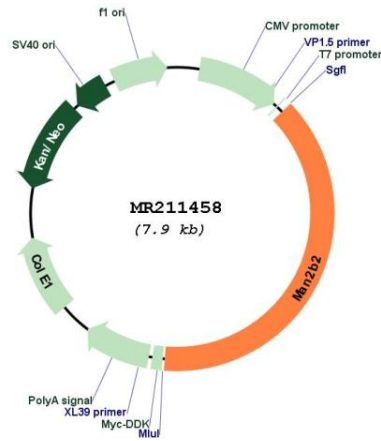
RefSeq Size: 3434 bp

RefSeq ORF: 3057 bp

Locus ID: 17160

UniProt ID: [O54782](#)
 Cytogenetics: 5 B3
 MW: 116.1 kDa
 Gene Summary: Plays an important role in the early step of spermatogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211458