

Product datasheet for **RN205588**

Man2b2 (NM_001134971) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Man2b2 (NM_001134971) Rat Untagged Clone
Tag: Tag Free
Symbol: Man2b2
Synonyms: Ab2-450
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN205588 representing NM_001134971
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGCCGCTGCGCTGGCTGCCGCTGCTCGGCCAGCTATTGCTGCTGTGGCCGCTGGCGCCCGGCCCG
CCAGCCCCATCCGGGCTTTGTGGTGCCCCACAGTCACATGGACGTGGGCTGGTCTACACGGTCCAGGA
AAGCATGCGGGCCTATGCAGCCAATGTCTACACCACCGTGGTGGAGAACTGGTCCGAGGCAGGCAGCGC
CGCTTCATCGCTGTGGAGCAGGAGTTCTCCGGCTGTGGTGGGATGGTGTAGCCTCTGAGCAGCAGAAAC
AGCAGGTCGCGCCAGCTCCTGGATGAAGGATGCCTGGAGTTCGTTCTTGGAGGCCAGGTCTATGCATGACGA
GGCTGTGACCCACCTGGATGACCAGATCCTACAGCTCACAGAAGGACATGGCTTTCTCTACGAAACGTTT
GGAATCCGGCCACAGTTCTCCTGGCACGTGGACCCCTTTGGTGCATCAGCGACGACCCCTACCCTATTTT
CCCTGGCCGGCTTCAATGCCACCTCATCTCCCGATTGACTACGACCTCAAGGATGCCATGCAGGAAGC
TCAGGGGCTACAGTTCGTGTGGCACGGGTCCCCATCTCTGTCAGAGCAGCAGGAGATCTACACCCACGTC
ATGGACCTTTATAGCTACTGCACCCCTCACACATCCCTTTCTAACAGGTCTGGATTTACTGGAATG
GTGTGGCCGTCTCCAGAGCCACCCAGATGGCGTGTATCCTAACATGAGTGAACCTGTACCCGTGAC
CAACATCCACCTCTACGCTGAGGCTCTGGTGGCCAACTTAACAGAGGGCCGCATGGTTCCGGACTCCC
CACGTCCTCTGGCCCTGGGGATGTGACAAGCAGTTCCTCAACGCCTCGGTGCAGTTTGACAACATGGACC
CCCTGCTGGAGTACATTAACAACCGCTCTGCCAGTTTGGCATCTCAGTGCAGTACGCCACACTGAATGA
TTACTTCCAGGCCCTGCACGACTTCAACGTGACCTGGGACATCCGAGACCACCATGACTTCTACCCCTAT
TCTTCAGAGCCACAGCAGGCCTGGACCGGATTCTACACATCCCGGAGCACTCTCAAGGGTCTAGCGAGAC
AAGCCAGTGCCTTGCTATATGCTGGGGAGTCCATGTTACACGCTATATGTGGCCACACCCCGTGAAC
TCTGGACCCTACCTGGGCCCTGCAGCAGCTCCAACAGCTTCGCTGGGCCGTGTCTGAGGTCCAGCACCAC
GATGCCATCACAGGCACTGAATCCCCAAGGTGAAAAACATGTACATGGAACATCTCAGCATGGGGATGC
GAGGTGTACATAAGCTGATGGCCTCCATTGCCCTGGACAGGTCCCCAGGGTCTGGCACAGACACGAGGCC
TGTGGGATACTCTGCCTCTGTGTACAACCCGCTAGCCTGGAAGATCACTACCATTATCACCTGACTGTCT
GCTTCCCCAGTGTACAGCTCACAGATGAGTTGGGCCGTCAGTGTACAGCACAGATTCAGAACTCGACAA



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AGGACCCTTCTGCGTATGACCTGCTCATCTGACCACCATCCCAGGCCTCAGCTACCGGTAACAAGT
 CAGGCGCATACTCGGGACCAGGCAGGCACCAGAGAGCTGGTCACCCCCAGGGCCAAACCCCTCAAGTTT
 AGTCGCAAAGTGAAGAACAGACCAGCCAGGAAGGCAAGCTCCTGGTGCCTGTAATGAATGACTGCTACA
 CTTTGCTGTTGACCAGGACCAACATGTTACATAGCATTGAGGACAGACAGAGTAACCGCACAGTGCA
 CATGACCCAAGAGTTCCTGGAGTATCGAGCCAACGGGGACGTGAAGCAGGGCCCCATTTCTGACAACTAC
 CTCTTTGCATCCAACGATACCGCTGAGCCTTCTGGGAAGCGGTGGGGATGGAGATGGTGGTGGGCACGC
 TGGCCACGGACGTAAGGCAGTATTTCTACAGGAACATAACAGACCAGGGTTACATCTATTGATCCACAC
 TCGTCTGGCCCATGTGCATCCGAGCCTTCTGGGAACTGCTCTGCCGACGGATAGAGCAGCAGTACCAA
 GTGGGCCCTTGACCTAAACCGTGAGGCCATCCTGAGGACCAGCAGTGACCTAAACAGCCAACAAGTCC
 TCTACTCTGACAACAATGGTACCAGATGCAGCGGAGGCCCTACAAGGCTTTCAAGAGCAATCCCATCCC
 CCGGAATTACTACCCCATGGTACAGTCGGCCTTCATCGAGGATGACAAGAGCAGGCTGGTGTGCTGGCA
 GAGCGACCGCATGGTGTCTCCAGCCAAGAGAATGGGCAGGTGGAGGTAATGCTCCATCGGCGCTGTGGA
 ACAACCTGGTCTGGGACCTGAACTACAACCTCACACTGAATGACACCTCTGTCGTCACCCAGTGTCTG
 GCTTCTGTGGGGCCCAAGTCCACCACAACCTGCCCTGCGCCGAGGAGTGGGGTGGCCCTCCAGCACAGG
 CCTGTGCTGTTGTTAAAAGAGCTAACTGATGAAGAAGAGACAGCCATTACAGACCCCATACCCCTGGC
 CTGTGACATTGCCCCAAGCCTGCACCTGCAGGTCCTCAGCTTACGTGGCTGGCAGTACAGCAGGAACCA
 TGCCACAGCAGCTGAAGAACCTTCAGAGAGGCCACCCAGAGAAACCACAGGTCAACCTACAACGTGTGCTG
 CTGCGCCTGCACCACCTGTATGAAGCAGGGGAGGACCCGGTACTGTCTCGGCCTGTACAGTGGATCTCA
 AGATTGCACTTCGAGGACTAGGGTCTGTAGTGGCCGTGGAGGAACGCTCACTCACAGGGACCTGGGATGT
 GCAGAGCTGCAGCGCTGGCACTGGAGGACAAAGATTGGCCAGCTAAAAGGGCACCTACCTCTCCACCA
 AGGTCACCAGGAGGCTCCATCATCACTGTGTACCCCAAGGAAATCCGGACCTTCTTCATTACCTCCAGC
 AGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001134971
- Insert Size:** 3015 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001134971.2](#), [NP_001128443.1](#)
- RefSeq Size:** 3267 bp
- RefSeq ORF:** 3015 bp

Locus ID: 360955

Cytogenetics: 14q21