

Product datasheet for **RN204699**

Manba (NM_001031655) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Manba (NM_001031655) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Manba
Synonyms:	MGC116230; MGC125196
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204699 representing NM_001031655
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCATCTCCACCTGCTCTTTCTGTTGGCGCTGTGCGGGCAGGCTGTATGGCCGCAAGTCCAGCTACA
 GCCTGAGAGGGAGCTGGCGGGTGTAGCAACGGGAATAGTTCCTGGAGCTGCCGGCTACTGTCCCTGGCTA
 TGTGCACAGCGCCTGCAGCAGCACGGGCTGATCCAGGATCCTTACTACAGATTTAATGACCTGAACTAC
 AGATGGATTTCTTAGATAAAGTGGACCTACAGCACAGAATTTAAAATCCCCTTTAATCGCAGTGAATGGC
 AGAAGGTAAAGTTGATTTTTGACGGAGTCGATACAGTTGCAGAAATCCTGTTCAATAATGCACTATTGG
 GAAGACAGACAACATGTTACCAGATATAGCTTTGACGTCAACATGTGGTCAAAGACGTGAACTCCCTA
 AAGCTGCGGTTCCAGTCAGCAGTGCAGTATGCTGAGTGCAGAGCAAAGCTCACACTCAATACCGGGTGC
 CCCCAGAGTGCCCCCAGTGGAAACAGAAGGTGAATGCCACGTCAACTTCATCCGAAAGGAGCAGTGCTC
 CTTGAGCTGGGACTGGGGCCTTCTTTCCCTCTCAAGGAATCTGAAAGACGTTAGAATCGAAGCCTAT
 AACATCGCTCATCTGGATCACCTGACATTTTTGCCATTGTATGATAACACTTCTCAGGCGTGGACTATTG
 AAATAGAGGCTTCTTTGATGTTGTGACACAAAGCCAGTTGGTGGTCAAGTGCAGTATAGCCATCCCCGA
 ACTGAAAACACAGCAGGCAAACCAATTGAACTTCAACATGGGCAAAGGATTGTTAAACTCCTTGTCAAA
 ATTAGGAAGGACGTCACCGTGGAGACCTGGTGGCTCATGGACATGGGAACCAGACTGGGTACAACACGA
 CAATTCCTTTGCGCTGGATGGAGGCTTAAAAATTGAAAAGCAGCCAAGGTTTATTTGAGAACAGTGCA
 ACTTATAGAAGAACCTATAACAGGCTCCTGGTCTGAGTTTCTACTTCAAAATTAATGGGCTTCTATA
 TTTCTGAAAGGCTCAAACCTGGATCCCAGCTGACTATTCCAAGACAAAGTCACTTCTGAACTGCTGCAGC
 TCCTTCTCCAGTCCGCCGTGGATGCTAACATGAACACTCTGCGGTGTGGGGGGTGGCCTCACGAGCA
 GGATGAATCTATGCACTGTGTGACGAACCTGGAATAATGGTGTGGCAGGACTTCATGTTTGCCAGTGCC
 CTCTATCCAACCTGAGCCAGGCTTCTAGAGTCAAGTGAAGAAAGAGTCACTTACCAGGTCAGGAGACTGA
 AGTCTCACCCCTCCGTATCATCTGGAGTGGTAATAATGAGAATGAAGTGGCTCTCAGGGTGAAGTGGTT
 CCATGTAACCCAGGACCTGGGGACTTACATCAACGACTATGTGACCCCTACGTGAAAACCATCAGG
 GAGATTGTCTTATCGGAAGATAGGAGTCGTCGGTTCATTGCATCCAGCCCAACCAATGGGGTCAAAACCA
 TGACGGAAGGCTGGATCTTAAGGACCCTATAGCACCCAGTATGGCGACATGCATTTTTACGACTATT
 CAGTGACTGCTGGGACTGGAAGGCTTTTCAAAAGCTCGATTAGTGTCTGAATATGGCTACCAGTCTGG
 CCTTCCTTCAGCACACTACAAAAGTCTCTCGTCAAGAGGACTGGTCTTACAGCAGCCGCTTCTCCCTTC
 ATCGGCAGCATCATGAAATGGCAACAATGAAATGCTTACCAGGTACAGCTTCATTTCCAACCTCCCCCA
 AAGGAGAGACCCAGTGCCTGCATTTAAAGATACCATCTACCTCACTCAGGTGATGCAGGCCAGTGTATC
 AAAACAGAAACCGAGTTCTACCTGCGCAGCCGACGAGATAGTGAATGGAGAAGGCCACACCATGGGGG
 CACTGTACTGGCAGTGAATGATATCTGGCAGGCTCCTTCTGGGCTCTCTTGGTACGGAGGAAATG
 GAAAATGCTTCATTACTTCGCTCAGCGTTTCTTCGCTCCGCTGCTGCCAGTCCGTTTTGAAGATGAAGGC
 GTTTTTTATGTCTACGGTGTGTGAGATCTTCAAGGACTACCCCAAAAGCTCACCGTGAAGGCTCCACC
 GCTGGAGCTCCAGAAGCCTTTGTGCACCTCGTGAGTTGAGTGTGTGATTAAGGCAGGGGAGGCGAT
 GGTTCGTTCCAGATGCCAGTGTCTAAGCTGCTGAAGAGGTGTAAGAATGCACAAGGGACACCTGTGTG
 GTTTCCTTTTACCTCTCAACTGACAATGAACCTTTCAGTCCAACCAACTACCATTTCTGCTCCTCCCTGA
 AGGATGCCAAAGGGATGGTCAAGGCCAACATCACTGTCAGCATCTCTCAGAAGGGTGTATCTATTTGTTTT
 TGATCTGAAATCGTCAACATCAGCCACTACTCCCTTTGTTGGTTGGATGTAGGAAGCATCCCGGGGAGA
 TTTAGTGACAACGGCTTCTCATGATTAAGAAGGAGCTCTCGGTACTGTTTTACCATGGAAGGCCACCA
 GCAAGAGTGAGCTGCAGCAGGCTTCAAGTGTACCTCCCTGACAGATCTGTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001031655

Insert Size:	2646 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:	<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:	<u>NM_001031655.1</u> , <u>NP_001026825.1</u>
RefSeq Size:	3688 bp
RefSeq ORF:	2646 bp
Locus ID:	310864
UniProt ID:	<u>Q4FZV0</u>
Cytogenetics:	2q43
Gene Summary:	Exoglycosidase that cleaves the single beta-linked mannose residue from the non-reducing end of all N-linked glycoprotein oligosaccharides.[UniProtKB/Swiss-Prot Function]