

Product datasheet for **SC110944**

MAN2C1 (NM_006715) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | MAN2C1 (NM_006715) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | MAN2C1 |
| Synonyms: | MAN6A8; MANA; MANA1 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >NCBI ORF sequence for NM_006715, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCTGCGCCGCCTTGAAGCACTGGCGCACCCAGCTGGAGCGGGTGGAGAAGTTCGTGTCGCCGC
TCTACTTTACCGACTGTAACCTCCGCGGCAGGCTTTTTGGGGCCAGCTGCCCTGTGGCTGTGCTCTCCAG
CTTCTCTGACGCCGAGAGACTTCCCTACCAGGAGGCAGTCCAGCGGGACTTCCGCCCCGCGCAGGTCCGG
GACAGCTTCGGACCCACATGGTGGACCTGCTGGTTCCGGGTGGAGCTGACCATCCCAGAGGCATGGGTGG
GCCAGGAAGTTCACCTTTGCTGGAAAAGTGATGGAGAAGGTCTGGTGTGGCGTGATGGAGAACCTGTCCA
GGGTTTAAACAAAGAGGGTGAAGAAGACCAGCTATGTCCTGACTGACAGGCTGGGGAAAGAGACCCCGA
AGCCTCACTCTCTATGTGGAAGTAGCCTGCAATGGGCTCTGGGGCCGGGAAGGGAAGCATGATTGCAG
CCCCTGACCTGAGAAGATGTTCCAGCTGAGCCGGGCTGAGCTAGCTGTGTTCCACCGGGATGTCCACAT
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CAGGCCCTGTACACAGCCAATCAGATGGTGAACGTGTGTGACCCTGCCAGCCCGAGACCTTCCCAGTGG
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GCACTGCCACATTGATACAGCCTGGCTTTGGCCCTTCAAAGAGACTGTGAGGAAAATGTGCCCGGAGCTGG
GTGACCGCCCTGCAGCTCATGGAGCGGAACCTGAGTTTCATCTTTGCCTGCTCCCAGGCGCAGCAGCTGG
AATGGGTGAAGAGCCGCTACCCTGGCCTGTACTCCCGCATCCAGGAGTTTGCCTGCCGTGGGCAGTTTGT
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TTGGCTACTCAGCACAGCTCCCCAGATCATGCACGGCTGTGGCATCAGGCGCTTCTCACCCAGAAATT
GAGCTGGAATTTGGTGAACCTCTTCCCACACCATACATTTTTCTGGGAGGGCCTGGATGGCTCCCCTGTA
CTGCTCCACTTCCCACCTGGCGACTCCTATGGGATGCAGGGCAGCGTGGAGGAGTGTGAAGACCGTGG
CCAACAACCGGGACAAGGGGCGGGCCAACCACAGTGCCTTCTCTTTGGCTTTGGGGATGGGGGTGGTGG
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TCTTCTCAAGACAGCTCTTCTCAGCACTGGAGAGTGAAGTGCAGAGCAGCTGTGCACGTGGTTGGGGAGC
TCTTCTGGAGCTGCACAATGGCACATACACCACCCATGCCAGATCAAGAAGGGGAACCGGGAATGTGA
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CAGCGCTGCAGCCGACGCCCTGTGTGCTGGGGAGCCAGTCTGAGGGCCTCCTCATCGTCAACACTG
CCCTGGAAGCGGATCGAAGTGTGGCCCTGCCAAACCGGGCGGGGCCACAGCCTAGCCCTGGTGCAG
TGCCACAGCATGGGCTATGCTCCTGTTTCTCCCCCACCTCACTGCAGCCCTGCTGCCACGACGCTGT
GTTCTGATGCAAGAGACTGATGGCTCCGTGACTCTGGACAATGGCATCATCCGAGTGAAGCTGGACCCA
ACTGGTCGCTGACGTCCTTGGTCTGGTGGCCTCTGGCAGGGAGGCCATTGCTGAGGGCGCCGTGGGGA
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CCTATGTCCGCTTCCACACCGAGGTACTGTCATGAGGCCACAAGTTCCTGAAGTGGAGTTCCTGCTGC
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ACCTCTTGGGACTGGGCTCGATTTGAGGTGTGGGCCCATCGCTGGATGGATCTGTGAGAACCGGCTTTG
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GGAGACCGTCAAGCAGGGGAGAGCAGCCCCAGCGCCGCTCGCTGGTCTGAGGCTGTATGAGGCCAC
GGCAGCCACGTGGACTGTGGCTGCACTTGTGCTGCCGTTTCCAGGAGCCATCCTCTGCGATCTCTTGG
AGCGACCAGACCTGCTGGCCACTTACCTTCCGGGACAACCGCCTGAAGCTCACCTTTTCTCCCTTCCA
AGTGTGTCCCTGTTGCTGCTGCTTACGCTCCGCCACTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006715 unedited
 TGCAAATTTTGTAAACGACTCACTATAGGGCGGCNCGCGAATTCGCACGAGGCGGCGAT
 GGGCGGTGCGCCGGCCTTGAAGCACTGGCGCACCACGCTGGAGCGGGTGGAGAAGTTCGT
 GTGCCGCTCTACTTTACCGACTGTAACCTCCGCGCAGGCTTTTTGGGGCCAGCTGCC
 TGTGGCTGTGCTCTCCAGCTTCTGACGCCGAGAGACTTCCCTACCAGGAGGCAGTCCA
 GCGGACTTCCGCCCCGCGCAGGTCGGCGACAGCTTCGGACCCACATGGTGGACCTGCTG
 GTTCCGGGTGGAGCTGACCATCCCAGAGGCATGGGTGGGCCAGGAAGTTCACCTTTGCTG
 GGAAAGTGATGGAGAAGGTCTGGTGTGGCGTGATGGAGAACCTGTCCAGGGTTTAAACAA
 AGAGGGTGAGAAGACCAGCTATGTCCTGACTGACAGGCTGGGGGAAAGAGACCCCGAAG
 CCTCACTCTATGTGGAAGTAGCCTGCAATGGGCTCCTGGGGCCGGGAAGGGAAGCAT
 GATTGCAGCCCCTGACCCTGAGAAGATGTTCCAGCTGAGCCGGGCTGAGCTAGCTGTGT
 CCACCGGATGTCCACATGCTCCTGGTGGATCTGGAGCTGCTGCTGNGCATAGNCCAAGG
 CCTCGGAAGGACAACCAGCGCAGCTTCCAGGCCCTGTACACAGCCAATCAGATGGTGAA
 CGTGTGTGACCCTGCCAGCCGAGACCTTCCAGTGGCCAGGCCCTGGCTNCAGNTT
 CTTNTGCCAACATGGNGGTGAAAGCCAACACACCATTATGCCACAGGGCACTGNCACA
 TTGATACAGNCTGGNCTTTGGCCCTTCAAGAGACTGTGAGGAAATGTGCCGNAGCTGG
 TGACCGCTGCAGCNATGGAGCGGACCCTGGATTATCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006715 unedited
 NNCCTTGTCTGGACCGGCGCCGAATCTANGATCGAGNTTTTTTTTTTTTTTTTTTTTTT
 TT
 CCCCTGTTTTAGGCTGGGAAGCAAAAATTAGGAGTCCCAAAGCCTTTTACAAACAAA
 CCCAGCCCCAGGACTCAGGGGGGGGGGCTGAACCACGACCAACAGGACAGCCCTT
 GGAAGGAAAAAAGGGGAGCTTCAGGCGGTTGCCCAAAGGGTCAAGGGGCCACCAGGT
 CTGGCCGCTCAAAAAATCGCAAAGGAGGGCTCCTGAACCGGCAGCGACAAGGGCAGCC
 AGCAGTCCACGGGTTGCCGGGGCCTAATACAGCCTAAGGACCAACGAGCGGCGCTGGG
 GGCTGCTTCCGCTGCTTACGGTCTCCAATACAACCGGGGGGAAAACACGGAAAAACC
 CCCTCCAGGAGGGGGCGGCCCTGGCTGGGGGCTGGCAAACCAACAGGGGGAAGTTTA
 GGCTGTAGGCAGCTTGGAAACGCCAGCATCCTGAAAAGAGCCCTTGGGCGGCATCAGGGC
 ATAGGGAACTCGTGGCCCTTGTAAACCAAAACGTCGGGGGCTTTAGGCCCCGCA
 ACCTGGGGGAGGAGGCCCTTAGGGCCACCTAAACCTGTGGAATTTGGGGCCGGAAA
 AACATTTTCTCTGGCCATTCAGCCTGGGGGTCCCCCTTACGCGGGAGCGGGGAA
 GTTGCCCTCAACTGGCCGCTATTTGGGATGGTTGACAGGGCCACCAAAGCCTGTTTTGA
 ATAACCTTCCGGGGGGCCCCCTAATACCCCCCTCCCAAGGTTTTTCCGGCGCAG
 CCTTTTCCCCCCCCA

Restriction Sites:

NotI-NotI

ACCN:

NM_006715

Insert Size:

3250 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).

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| 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_006715.2 , NP_006706.2 |
| RefSeq Size: | 3254 bp |
| RefSeq ORF: | 3123 bp |
| Locus ID: | 4123 |
| UniProt ID: | Q9NTJ4 |
| Cytogenetics: | 15q24.2 |
| Domains: | Glyco_hydro_38 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Other glycan degradation |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p> |