

Product datasheet for **SC113112**

MAN1C1 (NM_020379) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAN1C1 (NM_020379) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAN1C1
Synonyms:	HMIC; MAN1A3; MAN1C; pp6318
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113112 sequence for NM_020379 edited (data generated by NextGen Sequencing)

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ATGTCATGAGGAAAGTGCCCGGCTTCGTCCCGGCTCCCGTGGGGGCTGCGGCTGCCG
CAGAAGTTCCTCTTCTCCTCTTCTCCTCGGGCTGGTACCCTGTGCTTCGGGGCCCTC
TTCCTGCTGCCCCACTCCTCTCGCCTCAAGCGCCTTCTTGGCCCCCGGACCCAGCAG
CCTGGTCTGGAAGTGGTGGCTGAAATCGCCGGCCATGCCCCGGCCGCGAGCAGGAGCCG
CCTCCCAACCCCGGCCCGCCGCGCCCGGGCCCGGGCGAGGATGACCCAGCAGCTGGCC
AGTCCCCGCCGACAGGAAAGGGGGGCTGCGGCGCACCCGCCCACTGGACCCGCGAGGAG
GCCACGGCGGCCCGGGCAATAGCATCCCGGCCTCCAGGCCCGGGACGAGGGCGTCCCT
TTCCGCTTTGACTTCAACGCATTCCGGAGCCGCCTCCGCCACCCGGTCTGGGAACGAGG
GCCGATGAGAGTCAGGAGCCCCAGAGCCAAGTGCAGGCCAGCGGGAGAAAATCAAGGAG
ATGATGCAGTTTGCTTGGCAGAGCTATAAGCGTTATGCAATGGGAAAAACGAACTCCGT
CCACTAACAAAAGATGGCTACGAGGGTAACATGTTCCGAGGCCTCAGCGGGGCAACAGTC
ATTGACTCCCTCGATACCCTCTACCTCATGGAGCTGAAGGAGGAGTTCCAGGAGGCCAAG
GCCTGGGTGGGAGAGAGCTTCCACCTGAACGTGAGCGGAGAAGCATCCTTGTGGAGGTG
AACATCCGCTACATCGGGGGACTCCTCTCAGCCTTCTACCTGACAGGAGAAGAGGTGTTT
CGAATAAAGGCCATCAGGCTGGGAGAGAAGCTCCTGCCGGCGTTCAACACCCCCACGGGA
ATCCCAAAGGGCGTGGTGGAGCTTCAAAAGTGGAACTGGGGCTGGGCCACAGCCGGCAGC
AGCAGCATCTTGGCGGAGTTTGGATCCCTGCACCTGGAATTTTACACCTCACTGAACTC
TCTGGCAACCAGGTCTTCGCTGAAAAGGTGAGGAACATCCGCAAGGTCTCAGGAAGATC
GAAAAGCCCTTTGGCCTTACCCCAACTTCCTCAGCCCAGTGAGTGGAACTGGGTGCAA
CACCATGTCTCAGTTGGAGGACTCGGGGACAGTTTTTATGAATATTTGATCAAATCCTGG
TTGATGTCGGGCAAGACAGATATGGAGGCTAAAAATATGTAACGAAAGCCTTGGAGGCG
ATAGAGACCTACTTGCTGAATGTCTCTCCCGGGGGGCTGACCTACATTGCCGAGTGGCGA
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CTTGGCGCGAGGATGCCAAGGAAGAAAAGAGGGCCCACTACCGAGAGCTCGCAGCCAG
ATCACCAAGACGTGTCACGAGTCATACGCCGCTCAGACACCAAACCTGGGCCTGAGGCC
TTCTGGTTTAACTCCGGCAGAGAGGCCGTGGCCACCCAGCTGAGCGAGAGCTACTACATC
CTCCGGCCAGAGGTGGTGGAGAGCTACATGTACCTGTGGCGACAGACCCACAACCCCATC
TACAGGGAGTGGGCTGGGAGGTGGTGGCCTTGGAGAAATACTGTCCGACAGAAGCC
GGTTTCTCTGGGATCCAAGACGTGTACAGTAGCACCCCAACCAGACAACAAGCAGCAG
AGCTTCTTTCTAGCGGAGACACTAAAGTATCTCTATCTTCTGTTCTCTGAAGATGACTTG
CTCTCCCTGGAAGACTGGGTGTTCAACACCGAGGCCACCCACTCCCGGTGAACCACTCA
GACAGTCCGGCAGAGCCTGGGGCAGACTGA
    
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Clone variation with respect to NM_020379.2
 453 t=>c

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_020379 unedited</p> <p>GTCAGCAATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGGACAGTCCC CCGAACGGCGAACTCTCAGGTTGGCAACCCTGCCAGGGACCCCCATCCCGGGCGGCGCT CCGGACGCCCTCCCCTACCGCGCCCCCGCAGACACGTGCCTGGACTCCGAGGGCTTCTG GAGCCACCGGCCGGGCCACGATGCTCATGAAGAAAGTGCCCGGCTTCGTCCCGCCTCCC CGTGGGGGCTGCGGCTGCCGAGAAGTTCCTCTTCCTCTTCCTCTCGGGCCTGGTCA CCCTGTGCTTCGGGGCCCTCTTCCTGCTGCCCCACTCCTCTCGCCTCAAGCGCCTTTCC TGGCCCCCGGACCCAGCAGCCTGGTCTGGAAGTGGTGGCTGAAATCGCCGGCCATGCC CGGCCCGCAGCAGGAGCCGCTCCCAACCCGGCCCCCGCGCGCCGGCCCCGGCGATG ATGACCCAGCAGCTGGGCCAGTCCCCGCGCATGAAAGGGGGGCTGCGGCGCACCCGCC CCACTGGACCCCGCAGGAGGCCACGGCGGCCCGGGGCAATAGCATCCCGCCTCCATGC CCGGGGACGATGGCGTCCCTTTCCGCTTTGACTTCAACGCATTCCGGAGCCGCTCCGCC ACCCGGTCTGGAAACGATGGCCGATGATAGTCATGATCCCCATAGCCAAGTGCAGGCC AGCGGGAGATAATCAAAGAGATGATGCAGTTTGCTTGGCAGAGCTATAAGCGTTATGCAA TGGGAAATACGAACTCCGTCCACTAACATAAGATGGCTACGATGGAACATGTNCNGNA TGCTCAGCGGAGCAACAGTCATTGACTCCCTCGATACCCTCTACCTCATGGAGCTGAAG GGAGAGTNCAGAACCAAGGCCTGGTAGGATATAGCTCCCTGAACGGAGCGAGAANCT CCTGTNTGAGTGACATNCGTACATCGG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_020379 unedited</p> <p>TTTTAAACTTTTTTTTTTTTCTTATTCAATAAACTCTTTTATTCTAGTCCACAATTTTTCC ATTACAATAATAATGAAAATAGCACTAGTAATTTGTAACACTGAGGCCAAAGGGAAACC CCTCCTCAAATTATAAGGTAAATGACACAAAGTTGAACATAGGGTCAAGTGTGGGCAAAA AGCATTAAAAATATAGATAACGGGGTCAAGATTTTGTGTGTGTGCAAAACTGGGTTTTG TTTTTCAGGATGACACCATTTTAGAAAAGTGCATGATTTTGAAAATATATGTGTAATTTG GACAAAATAAAGTGTAGAGAAAAGACAAAATCAAGCAAAAACAAAACCAAGAAACAA AAGGAAGCAAATCAAATACAAGGGGCGGATATGCAAACCTCCGGTCTTTGGCCATGGAA TGGCAAGTGAGTGGGCTCATAGAAATCTCTGTAGAAAGGAATGTGTGGGCCAGTGTGG CCATGGCCCTGGCCTGACATCGCTGAGTCTCCAAGTCTTGTCTCCTCACAGAGGAAAAGA AGTTGCTTGTCCGACACATCTGCTGGGGTTCATCCCGAGATGGGGCCTTCGTTCCCAAT CCTTTGAGAACAGTCTCAAATCCTGAAAAGGCAAGGCATCCCTGCGGCGGCCCGGGCG GCGGCAGGAGATGGGGTCAAGTGTCTGCCCCAGCTCTGCCGGAGCTGTCTGAGTGGTTAC CGGGAGTGGTGGGCTCGGTGTGAACACCCAGTCTCCAGGGAGAAGCAGTCATCTTCA GAGAACAGAAGATGAGATACTTTAATGTCTCCGCTGAAGAAGCTCTGCTGCTTTGTGTCG TGTTTG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_020379
Insert Size:	2750 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:	NM_020379.1 , NP_065112.1
RefSeq Size:	2912 bp
RefSeq ORF:	1893 bp
Locus ID:	57134
UniProt ID:	Q9NR34
Cytogenetics:	1p36.11
Domains:	Glyco_hydro_47
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis
Gene Summary:	<p>Involved in the maturation of Asn-linked oligosaccharides. Trim alpha-1,2-linked mannose residues from Man(9)GlcNAc(2) to produce first Man(8)GlcNAc(2) then Man(6)GlcNAc and a small amount of Man(5)GlcNAc.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes isoform 1.</p>