

## Product datasheet for **SC336907**

### **MAN1C1 (NM\_001289010) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MAN1C1 (NM_001289010) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAN1C1
Synonyms:	HMIC; MAN1A3; MAN1C; pp6318
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

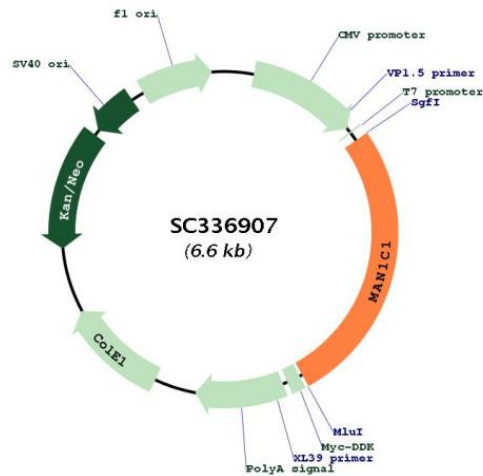


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Fully Sequenced ORF: >SC336907 representing NM\_001289010.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCATGAGGAAAGTGCCCGGCTTCGTCCCGCCTCCCGTGGGGGCTGCGGCTGCCGAGAAGTTC
CTCTTCTCCTCTTCTCTCGGGCTGGTCAACCCTGTGCTTCGGGGCCCTTCTCTGCTGCCCCACTCC
TCTCGCCTCAAGCGCCTTCTTGGCCCCCGGACCCAGCAGCCTGGTCTGGAAGTGGTGGCTGAAATC
GCCGGCCATGCCCGGCCGCGAGCAGGAGCGCCTCCAACCCGGCCCCGCGCGCGCCCGCCGGGC
GAGGATGACCCAGCAGCTGGGCCAGTCCCGCCGAGGAAAGGGGGGCTGCGGCGCACCCGCCCACT
GGACCCCGCAGGAGGCCACGGCGGCCGGGCAATAGCATCCCGCCTCCAGGCCGGGACGAGGGC
GTCCCTTCCGCTTGTACTTCAACGCATTCCGGAGCCGTCTCCGCCACCCGGTCTGGAACGAGGGCC
GATGAGAGTCAGGAGCCCAGAGCAAGTGCAGCCAGCGGGAGAAAATCAAGGAGATGATGCAGTTT
GCTTGGCAGAGCTATAAGCGTTATGCAATGGGAAAAACGAACCTCGTCCACTAACAAAAGATGGCTAC
GAGGGTAAACATGTTCCGAGGCCCTCAGCGGGCAACAGTCAATTGACTCCCTCGATACCCTCTACCTCATG
GAGCTGAAGGAGGAGTTCAGGAGGCCAAGGCCTGGGTGGGAGAGAGCTCCACCTGAACGTGAGCGGA
GAAGCATCCTTGTGGTGAACATCCGCTACATCGGGGACTCCTCTCAGCCTTCTACCTGACAGGA
GAAGAGGTGTTCCGAATAAAGGCCATCAGGCTGGGAGAGAAGCTCCTGCCGGCTTCAACACCCCAAG
GGAATCCCAAAGGGCGTGGTGGCTTCAAAGTGGGAAGTGGGGCTGGGCCACAGCCGCGCAGCAGCAGC
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TTCGCTGAAAAGTCCAGGAACATCCGCAAGTCTCAGGAAGATCGAAAAGCCCTTGGCCTTACCCC
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TACGAAGCCTTGGAGGCGATAGAGACCTACTTGCTGAATGTCTCTCCCGGGGGCTGACCTACATTGCC
GAGTGGCGAGGGGGATTCTGGACCACAAGATGGGGCACCTGGCCTGTTTCTCCGGGGCATGATCGCC
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ACGTGTCACGAGTCATACGCCCGCTCAGACACCAAAGTGGGCTGAGGCCTTCTGGTTAACTCCGGC
AGAGAGGCCGTGGCCACCAGCTGAGCGAGAGCTACTACATCCTCCGGCCAGAGGTGGTGGAGAGCTAC
ATGTACCTGTGGCGACAGACCCACAACCCATCTACAGGGAGTGGGGCTGGGAGGTGGTGTGCCTTG
GAGAAATACTGTCGGACAGAAGCCGTTTCTCTGGGATCCAAGACGTGTACAGTAGCACCCCAACAC
GACAACAAGCAGCAGAGCTTCTTCTAGCGGAGACTAAAGATTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001289010

**Insert Size:** 1773 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\\_001289010.1](#)

**RefSeq Size:** 4476 bp

**RefSeq ORF:** 1773 bp

**Locus ID:** 57134

**UniProt ID:** [Q9NR34](#)

**Cytogenetics:** 1p36.11

**Protein Families:** Transmembrane

**Protein Pathways:** Metabolic pathways, N-Glycan biosynthesis

**MW:** 66.3 kDa

**Gene Summary:** 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]  
Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, compared to variant 1. The results in a shorter protein (isoform 2) with a distinct C-terminus, compared to isoform 1.