

## Product datasheet for **RC235062**

### **MAN2C1 (NM\_001256496) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MAN2C1 (NM_001256496) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAN2C1
Synonyms:	MAN6A8; MANA; MANA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC235062 representing NM\_001256496  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGTGCGCCGGCCTTGAAGCACTGGCGCACCACGCTGGAGCGGGTGGAGAAGTTCGTGTCGCCGC  
 TCTACTTTACCGACTGTAACTCCGCGGCAGGCTTTTTGGGGCCAGCTGCCCTGTGGCTGTGCTCTCCAG  
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 GACAGCTTCGGACCCACATGGTGGACCTGCTGGTCCGGGTGGAGCTGACCATCCAGAGGCATGGGTGG  
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 AGCCTCACTCTATGTGAAGTAGCCTGCAATGGGCTCCTGGGGCCGGGAAGGGAAGCATGATTGCAG  
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 CTTTCTGCAGGAGTTTGGGAAGATGTGCTCTGAGTTCTGGCTGCCGGACACCTTTGGCTACTCAGCACAG  
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 AGTGATGGCCCTGCCAAACCGGGCGGGCCACAGCCTAGCCCTGGTGCAGTGGCCAGCATGGGCTAT  
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 GGCCACTTGACCCTTCGGGACAACCGCCTGAAGCTCACCTTTCTCCCTCCAAGTGTGCTCCCTGTTG  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC235062 representing NM\_001256496  
 Red=Cloning site Green=Tags(s)

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MAAAPALKHWRTTLERVEKFSPLYFTDCNLRGLFGASCPVAVLSSFLTPERLPYQEAVQRDFRPAQVG
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SLTLTYVEVACNGLLGAGKGSMAIAPDPEKMFQLSRAELAVFHRDVHMLLVDLELLGIAKAQLEWVKSR
YPGLYSRIQEFACRGQFVPVGGTWEVMDGNLPSGEAMVRQFLQGQNFLLQEFGKMCSEFWLPDTFGYSAQ
LPQIMHGCGRIRRFLLTQKLSWNLVNSFPHTFFWEGLDGSRLVHFPPGDSYGMQGSVEVLKTVANNRDK
GRANHS AFLFGFDGGGGPTQTMLDRLKRLSNTDGLPRVQLSSPRQLFSALES DSEQLCTWVGELFLELH
NGTYTTHAQIKKGNRECERILHDVELLSSLALARSAQFLYPAAQLQHLWRLLLL NQFHDVVTGSCIQMVA
EEAMCHYEDIRSHGNTLLSAAAAALCAGEPGPEGLLIVNTLPWKRIEVMALPKPGGAHSLALVTPSMGY
APVPPPTSLQPLLQQPVFVVQETDGSVTLDNIGIRVKLDPTGRLTSLVLV ASGREATAEGAVGNQFVLF
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TEVHWHEAHKFLKVEFPARVRSSQATYEIQFGLHQRPTHYNTSWDWARFEVWAHRWMDLSEHGFLALLN
DCKYGASVRSILSLSLLRAPKAPDATADTGRHEFTYALMPHKGSFQDAGVIQAAYS LNFLLALPAPSP
APATSWSAF SVSSPAVVL ETVKQAE SPPRRSLVLRLYEAHGSVDCWLHL SLPVQEAILCDLLERPDA
GHLTLRDNRLKLTFSFQVLSLLLVLQPPPH
  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

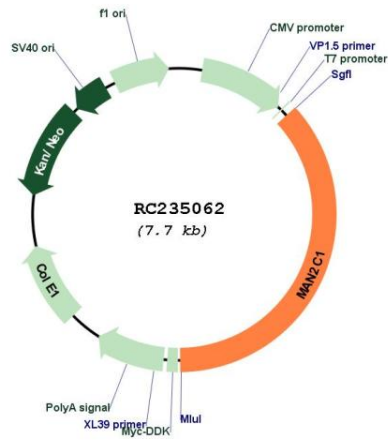


**ACCN:** NM\_001256496

**ORF Size:** 2823 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001256496.1</a> , <a href="#">NP_001243425.1</a>
<b>RefSeq Size:</b>	2994 bp
<b>RefSeq ORF:</b>	2826 bp
<b>Locus ID:</b>	4123
<b>UniProt ID:</b>	<a href="#">Q9NTJ4</a>
<b>Cytogenetics:</b>	15q24.2
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Other glycan degradation
<b>MW:</b>	105.1 kDa
<b>Gene Summary:</b>	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]

Product images:



Circular map for RC235062