

Product datasheet for **RR214925**

Man2c1 (NM_139256) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Man2c1 (NM_139256) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Man2c1
Synonyms: MGC93158
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214925 representing NM_139256
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCAGCGCCGTTCTTGAAGCACTGGCGCACCACTTTTGGCGGGTGGAGAAGTTCGTGTCCCGA
TCTACTTCACCGACTGTAACTTCGCGGCAGGCTCTTCGGGGACAGCTGCCCGGTGACACTCTCCAGCTT
CCTGACCGCGAAAGGCTTCCCTATGAGAAGGCAGTGCAGCAGAACTTCAGCCCTGCGCAGTTCGGCGAC
AGCTTCGGACCCACATGGTGGACCTGCTGGTTTCGGGTAGAACTGGTCATCCCTGAAGTTTGGGTGGCA
AGGAAGTTCATCTTTGCTGGGAAAGTGTGGAGAAAGCCTTGTCTGGCGTATGGGGAACCTGTCCAGGG
TTTGACCAAGGAGGGTAAAAGACTAGTTATGTCTGAGTGAGAGGCTGCACGCAGCAGATCCTCGGAGC
TTGACTCTCTATGTGGAAGTAGCCTGCAATGGGCTTTCGGGAGCCGGGAAGGGAAGCATGATCGCAGCCC
CTGACCTGAGAAGATGTTCCAGCTGAGCCAGGCTAAGCTGGCTGTGTTCCACCGGGATGTCCACAATCT
CCTGGTGGACCTGGAGCTGTTGCTGGGTGTGGCAAGGGCCTCGGGGAGGACAACCAGCGCAGCTTCCAG
GGCCTGTACACAGCCAACCAGATGGTGAACATATGTGACCCTGCGCAGCCTGAGACTTACCAGCAGCCG
AGGCCCTGGCCTCAAGTCTTTGGCCAACGTGGAGGTGAAAGCCAGCATACCATCCATCAACAGGACA
CTGTACATTGATACAGCCTGGCTTTGGCCCTTCAAGGAGACTGTGAGGAAATGTGCCCGGAGCTGGTCA
ACAGCTGTGAAGCTCATGGAGCGGAACACTGAGTTCACCTTTGCCTGCTCTCAGGCACAACAGCTCGAGT
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TGTGGGGGACCTGGGTAGAAATGGATGGGAACCTTCCAGTGGAGAGGCCATGGTGGGAGTTCCTA
CAGGGCCAGAACTTTTCTGCAAGAGTTTGGAAAGATGTGCTCTGAGTCTGGCTGCCAGATACATTTG
GCTACTCAGCACAGCTCCCCAGATCATGCAAGGCTGTGGCATCAAACGCTTCTGACACAGAACTGAG
CTGGAACCTGGTCAACTCTTCCACACCATACCTTCTTCTGGGAGGGGCTGGATGGCTCCCAAGTCTG
GTACACTTCCCCCTGGAGACTCATATGGAATGCAGGGCAGTGTGGAAGAGGTGCTGAAGACTGTGACCA
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CACACAGACCATGTTGGACCGATTGAAGCGGCTGGGCAACACTGATGGGAGCCAGGGTGCAGCTGTCT
TCTCTGGACAGCTTTCACAGCACTGGAGAGAGACTCAGGGCAGCTGTGCATGGGTTGGGAACTCT



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TCTTGGAGCTGCACAATGGCACCTATACTACCCATGCCAGCTCAAGAAGGGGAACCGAGAATGTGAGCA
 GATTCTTCATGACGTGGAGCTGCTCAGCAGCCTTGCCCTAGCCCGAAGTGCCAGTTCCTGTACCCGGCA
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 TGCTGCAGCCGCAGCCTTGTGTGCTGGGGAGCCAGGTCCCAAGGGCTCCGTATTATCAACACACTGCC
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 GGAGACCATCAAGCAGGCCGAGAAGAGCCATCAGCACCACACTGGTCTAAGGCTGTATGAGGCTCAT
 GGCAGCCATGTGGACTGCTGGCTACACACATCATTGCCTGTTCAGGAGGCCACCCCTTGTGACCTCTGG
 AGCAGCGAGACCTACCGGTACCTGTCCTTCCAGGACAACCCCTGAAGCTCACCTTTCTCCCTTCA
 AGTGAGGTCCTTATTGCTTGTGCTTCAGCCTCCAGCAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214925 representing NM_139256
 Red=Cloning site Green=Tags(s)

MAAAPFLKHWRTTFERVEKVFSPYIYFTDCNLRGRLLFGDSCPVTLSFSLTPERLPYEKAVQQNFSPAQVGD
 SFGPTWTCWFRVELVIPEVWVGKEVHLCWESDGEVWVRDGPVQGLTKEGEKTSYVLSERLHAADPRS
 LTLVYEVACNGLLGAGKGSMAAPDPEKMFQLSQAQLAVFHRDVHNLVDLELLLVAKGLGEDNQRSFQ
 ALYTANQMVNICDPAQPETYPAAEALASKFFGQRGGESQHTIHATGHCHIDTAWLWPFKETVRKCARSW
 TAVKLMERNTFTFACSQAQLEWVKNQYPGLYAQLQEFACRGGFVVPVGGTWWEMDGNLPSGEAMVRQFL
 QGQNFLLQEFGKMCSEFWLPDTFGYSAQLPQIMQCGIKRFLTQKLSWNLVNSFPHTFFWEGLDGSQVL
 VHFPPGDSYGMQSVVEVLKTVTNNRDKGRTNHSGFLFGFGDGGGPTQTMLDRLKRLGNTDGPVQVLS
 SPGQLFTALERDSGQLCTWVGELFLELHNGTYTTAQLKKNRECEQILHDVELLSSLALARSAQFLYPA
 VQLQRLWRLLLLQFHVDVVTGSCIQLVAEDAMNYIEDIRSHGNTLLSAAAALCAGEPGPKLRHYQHTA
 LEAHRVSGTTQGLVGLTRLALVTVPISIGYAPAPTSLQPLLPQQPVFVMQETDGSVTLNNGIIRVRLDP
 TGCLTSLVLVVASGREAIIEGALGNQFVLFDDVPLYWDAWDVMDYHLETRKPVRRQAGTLAVGAEGGLRGS
 AWFLLQISPNRSLSQEVVLDVGCOPYVRFHTEVHWHETHKFLKVEFPARVRSQATYEIQFGHLQEADPQQ
 HSWDWAYEVWAHRWIDLSECDLGLALLNNCKYGTSVRGNVLSLLRAPKAPDVTADMGRHEFTYALMP
 HKGSFQEAGVIQAAYNLNFPALLPAPGPAPDTTWSAFVSSPAVVLETIKQAEKSHQHRTLVLRLYEAH
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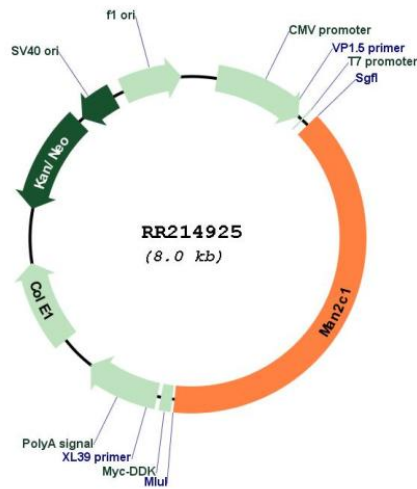
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_139256

ORF Size:

3120 bp

OTI Disclaimer:

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. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_139256.1</u> , <u>NP_640349.1</u>
RefSeq Size:	3360 bp
RefSeq ORF:	3123 bp
Locus ID:	246136
UniProt ID:	<u>P21139</u>
Cytogenetics:	8q24
MW:	116 kDa
Gene Summary:	plays a role in the processing of asparagine-linked oligosaccharides [RGD, Feb 2006]