

Product datasheet for **MR209531**

Man1c1 (NM_207237) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Man1c1 (NM_207237) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Man1c1
Synonyms:	AI593348
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209531 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGGTGGAGAAAGTCCGGGTTTCGTCGCCGCTCGCGTGGGGCTGCGGCTGCCGAGAAGTTCC
 TTTTCCTGCTCTTCTCTCGGGCCTCGTACCCTGTGCTTTGGCGCCCTGTTCTTCTGCCCATTCCTC
 TCGCCTCAAGCGCCTCTTCTCGGCTCGCGACCCAACAGCCCGCCTGGAGGTGATGGCCGAAATCGCC
 GGTCACTACTCGGTGTCAGAGCAGGAGCCGCTCCCAACCCTGCCCTGCGGCTCCGGCCCCGGGTGAGG
 ACGATCCAGCCGCTGGTGGTGTCTCCGTAGGAAAGGTGGCTGCGGCGAACCCGCCACCAGGGCC
 CCGGGAGAAAGCAACAGGGTTCAGCCCTCAGGCCTCAGGAAGAGAGCGTCCGGTTCACTTTCTGACTAC
 AATGGTTTCCGACCGCCTTCGACACCCGGTCTTGGGACAAGGACTGATGAGAGTAAGGAGTCCAGA
 GTCTGGTGGAGCTCAGCGAGAGAAAATCAAAGAGATGATGCGGTTTTCTGGCAGAATTACCGCGTTA
 TCGCATGGCAAGAATGAGCTCCGGCCACTCACAAGGACGGCTTCGAGGGCAGCATGTTTGGCGGTCTC
 AGTGGGGTACCATCATCGATTCTTTCACCCCTCTACCTCATGGAGCTGAAAGAGGAGTTCAGGAGG
 CCAAGGCTGGGTGCAAGACAGCTTCCACCTGAACGTGAGTGGAGAAGCATCTTTGTTTGAAGTGAACAT
 CCGGTATATCGGAGGACTGCTCTCGGCCTTCTACCTGACTGGAGAAGAGGTGTTCCGAGTGAAGGCCATC
 AAGCTGGGTGAGAACTGCTGCCTGCCTTCAACACACCCACGGGCATCCCCAAGGGCGTGGTCAACTTCA
 AAAGCGGTAGCTGGGGCTGGGCCACGGCAGCAGCAGCATCTGGCCGAGTTTGGGTCCCTGCACTT
 GGAATTCCTGCATCTCACTGAACTCTCTGGCAATCCAGTCTTTCAGAAAAGGTCAAACATATCCGCAAG
 GTCTCAGGGAGATTGACAAACCCTTCGGTCTCTACCCCAACTTCTCAGCCCCACGAGTGGAACTGGG
 TGCAGCATCATGTCTCGGTAGGAGACTTGGGGACAGTTTTTATGAATATTTGATCAAGTCTGGTTGAT
 GTCAGCCAAAACAGATATGGAGGCTAAAAATATGTAAGTACTACGAAGCCTTGGAGGCCATAGAGACCTATCTC
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 GACACCTGCTGCTTCTCAGGGGGCATGATCGCCCTTGGTGCAGATGATGCCAAGGAAGATAAAAGAGC
 CTACTACCGAGAGCTTGCAGCCAGATCACCAGGACGTGCCATGAGTCTATGCCCGCTCAGACACCAAG
 CTGGGGCCTGAGGCTTCTGGTTCAACTCTGGCCGAGAGGCGGTGGCCACACAACGAGCGAGAGCTACT
 ACATCTGCGCCCCGAGGTGGTAGAGAGCTACATGTACCTATGGCGCAGACGCATGACCCCATCTACAG
 GGAGTGGGGCTGGGAGGTGGTATGGCCCTGGAGAAACTGTGCGACGGAAGCCGGCTTCTCGGGGATC
 CAGGACGTGTACAGCAGTAACCCCAACCATGACAACAGGCAACAGAGCTTCTTCTGGCTGAGACGCTGA
 AATACCTCTATCTTCTGTCTCTGAAGATAACGTGCTGCTCACTGGAAGACTGGGTGTTCAACACCGAGGC
 TCATCCGCTGCCCGTCAACCGCTCGGACAGCTTAGCATAGCTGGCCACCCTCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

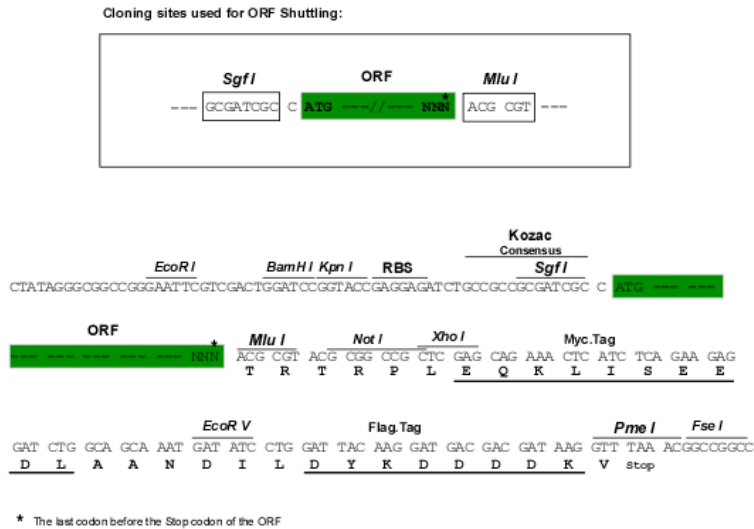
>MR209531 protein sequence
 Red=Cloning site Green=Tags(s)

MLVRKVPGFVPASPWGLRPLPQKFLFLLFSLGLVTLFCGALFLLPHSSRLKRLFSASRTQQPGLVMAEIA
 GHHSVSEQEPPPNPAPAAPAGEDDPSRLVGLRRKGWLRRTPTGPREEGNRVAALRPQEESVRFTFDY
 NGFRSRLRHPVLGTRTDESKESQSLVRAQREKIKEMMRFSWQNYRRYAMGKNELRPLTKDGFEGSMFGGL
 SGATIIDSLDTLYLMELKEEFQEAQAWVQDSFHLNVSGEASLFEVNIRYIGLLSAFYLTGEEVFRVKAI
 KLGEKLLPAFNTPTGIPKGVVNFKSGSWGATAGSSSILAEFGSLHLEFLHLTELSGNPVFAEKVKHIRK
 VLREIDKPFGLYPNFLSPTSGNWWQHVSVGGGLGDSFYELYIKSWLMSAKTDMEAKNMYEALAEIETYL
 VNVSPGGLTYIAEWRGGILDHKMGHLACFSGGMIALGADDAKEDKRAYYRELAQAQITRTCHESYARSDTK
 LGPEAFWFNSGREAVATQLSESYILRPEVVESYMYLWRQTHDPIYREWGWVMALEKHCRTEAGFSGI
 QDYYSSNPNHDRQQSFFLAETLKLYLLFSEDNVLSLEDWVFNTAEHPLPVNRSDFSIAAGHPH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_207237

ORF Size: 1878 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:**
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_207237.1](#)

RefSeq Size: 4715 bp

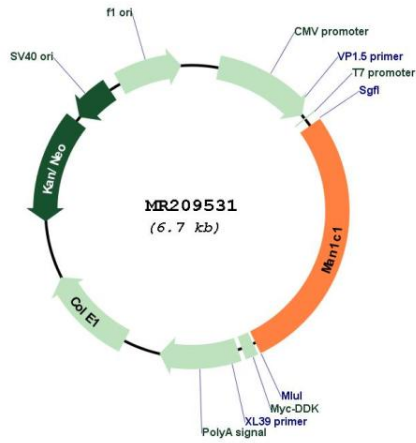
RefSeq ORF: 1878 bp

Locus ID: 230815

Cytogenetics: 4 D3

MW: 70.7 kDa

Product images:



Circular map for MR209531