

Product datasheet for **MG209531**

Man1c1 (BC067023) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Man1c1 (BC067023) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Man1c1
Synonyms:	AI593348
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209531 representing BC067023
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGGTGGAGAAAGTCCGGGTTTCGTCGCCGCTCGCGTGGGGCTGCGGCTGCCGAGAAGTTCC
 TTTTCCTGCTCTTCTCTCGGGCTCGTACCCTGTGCTTTGGCGCCCTGTTCTTCTGCCCATTCCTC
 TCGCCTCAAGCGCCTCTTCTCGGCTCGCGACCCAACAGCCCGCCTGGAGGTGATGGCCGAAATCGCC
 GGTCACTACTCGGTGTCAGAGCAGGAGCCGCTCCCAACCCTGCCCTGCGGCTCCGGCCCCGGGTGAGG
 ACGATCCAGCCGCTGGTGGTGTCTCCGTAGGAAAGGTGGCTGCGGCGAACCCGCCACCAGGGCC
 CCGGGAGAAAGCAACAGGGTTCAGCCCTCAGGCCTCAGGAAGAGAGCGTCCGGTTCACTTTCTGACTAC
 AATGGTTTCCGACCGCCTTCGACACCCGGTCTGGGGACAAGGACTGATGAGAGTAAGGAGTCCAGA
 GTCTGGTGGAGCTCAGCGAGAGAAAATCAAAGAGATGATGCGGTTTTCTGGCAGAATTACCGCGTTA
 TCGGATGGCAAGAATGAGCTCCGGCCACTCACAAGGACGGCTTCGAGGCGAGCATGTTTGGCGGTCTC
 AGTGGGGTACCATCATCGATTCTTTCACCCCTCTACCTCATGGAGCTGAAAGAGGAGTTCAGGAGG
 CCAAGGCCTGGGTGCAAGACAGCTTCCACCTGAACGTGAGTGGAGAAGCATCTTTGTTTGAAGTGAACAT
 CCGGTATATCGGAGGACTGCTCTCGGCCTTCTACCTGACTGGAGAAGAGGTGTTCCGAGTGAAGGCCATC
 AAGCTGGGTGAGAAACTGCTGCCTTCAACACACCCACGGGCATCCCCAAGGGCGTGGTCAACTTCA
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 CTGGGGCCTGAGGCTTCTGGTTCAACTCTGGCCGAGAGGCGGTGGCCACAACTGAGCGAGAGCTACT
 ACATCTGCGCCCCGAGGTGGTAGAGAGCTACATGTACCTATGGCGGCAGACGCATGACCCCATCTACAG
 GGAGTGGGGCTGGGAGGTGGTATGGCCCTGGAGAAACTGTCCGACGGAAGCCGGCTTCTCGGGGATC
 CAGGACGTGTACAGCAGTAACCCCAACCATGACAACAGGCAACAGAGCTTCTTCTGGCTGAGACGCTGA
 AATACCTCTATCTTCTGTCTCTGAAGATAACGTGCTGCTCACTGGAAGACTGGGTGTTCAACACCGAGGC
 TCATCCGCTGCCCGTCAACCGCTCGGACAGCTTAGCATAGCTGGCCACCCTCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209531 representing BC067023
 Red=Cloning site Green=Tags(s)

MLVRKVPGFVPASPWGLRPLQKFLFLLFLSGLVTLCFGALFLLPHSSRLKRLFSASRTQQPGLVMAEIA
 GHHSVSEQEPPNPAPAAPAGEDDPSRLVGVLRKRWLRTRPTGPREEGNRVAALRPQEEVRFVTFDY
 NGRFRSLRHPVLGTRTDESKESSQLVRAQREKIKEMMRFSWQNYRRYAMGKNELRPLTKDGFEGSMFGGL
 SGATIIDSIDLTLYLMELKEEFQEAQAWQDSFHLNVSGEASLFEVNIIRYIGLLSAFYLTGEEVFRVKAI
 KLGEKLLPAFNTPGIPKGVVNFKSGSWGATAGSSSILAEFGSLHLEFLHLTELSGNPVFAEKVKHIRK
 VLREIDKPFGLYPNFLSPTSGNWWQHHSVGGGLGDSFYEYLKSWLMSAKTDMEAKNMYEALAIETYL
 VNVSPGGLTYIAEWRGGILDHKMGHLACFSGGMIALGADDAKEDKRAYRELAQITRTCHESYARSDTK
 LGPEAFWFNSGREAVATQLSESYILRPEVVESMYLWRQTHDPIYREWGWVMALEKHCRTEAGFSGI
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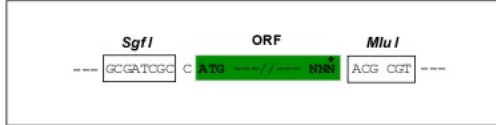
TRTRPLE - GFP Tag - V

Restriction Sites:

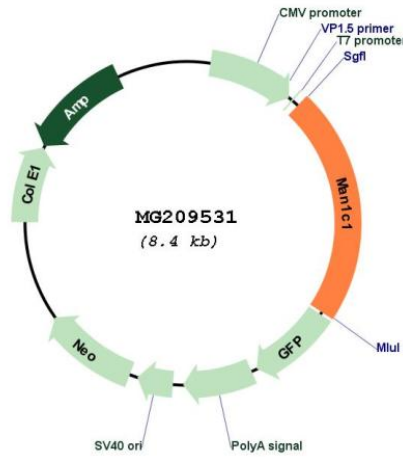
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC067023
 ORF Size: 1877 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:	BC067023 , AAH67023
RefSeq Size:	4309 bp
RefSeq ORF:	1877 bp
Locus ID:	230815
Cytogenetics:	4 D3