

Product datasheet for **RN217581**

Mn1 (NM_001191928) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mn1 (NM_001191928) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mn1
Synonyms:	RGD1565571
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217581 representing NM_001191928 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTTTGGGCTGGACCAATTCGAGCCCCAGATCAACAGCCGGCACGCTGGTCAGGGCGAGGGGAACCTTTA
ACGAAGCCGGACTGAGTATGAACGCTCACTTTAAGGCCCTGCTTCCACGCCGGGCTCCTCCTGGCCC
CGTGGACCCTGCAATAAGCGCTCTGGGCGAACCCCGATCTTGGGTTTGAATATGGAGCCATACGGCTTC
CATGCGCGGGTCACTCCGAGCTGCACGCAGGGGGTTGCAGGCACAGCCTGTGCACGGCTTCTTCGGTG
GTCAGCAGCCTCACCACAGCCATCCTGGAGGCCATCACCCGCACCAGCATCACCCACACTTTGGGGGCAA
CTTCGGTGGTCCGGACCCAGGTGCCTCATGTCTGCACGGGGGCCGGCTGCTTGGCTATGGAGGTGCAGCG
AGCGGCCCTCGGCAGCCAGCCTCCCTTCGAGAGAGTTACGAGCACATGGCGGAGAGCCAGGGGCCGAGG
GCTTCGGCCCGCAGCGGCCAGGAAACCTCCCGACTTCCACAGTTCGGGCACTTCGGGCCACGCTGTGCC
TGCCCCGTGCCTGCCGCTGGACCAGAGCCCTAACCGGGCTGCCTCTTCCATGGCCTGTCCGCCTCTAGC
GGCTCGGATTCTCACAGTTGGAACCCCGAGGGTGACGAACCAAGGAGCCGTAGATTGCTGGAATACA
ATTACCGAGCGAGCCGCCCTCAGGACATTTTGACATGTTTTACCCTCTGACTCTGAAGGCAGCTGCC
ACATTATGCTGCGGGTCGCCAGGTTCCCGGGGGCGCTTCCCGGGTGCTTCAGCCATGCCAGAGCCTCA
GGCATGGTGGGTTGTCCAAAATGCACGGTCAGCCACCGCAGCCACCACCACCCAGCAGCAACCCGAGC
ACGGAGTGTTCTTCGAGAGGTTTGGCGGGGCCCGGAAGATGCCTGTGGGTCTGGAGCCTGCAGTGGGCTC
CAGGCACCCGCTAATGCAGCCTCCCGAGCAGGCCCCACCACCCCGCAGCAGCAGCCCGCAGCAGCAGCAG
CCACCGCCACCACCTGGGCTTCTGGTCCGACAGAATTCTTGCCCTCCTGCGCTCCCGCGGCCCGCAGCAGG
GTGAGGCTGGCACACCCAGTGGCGGCTGCAGGACGGGGGCCCATGCTGCCAGCCAACACGCGCAGTT
TGAGTACCCTATCCATCGGCTAGAGAACCGAGCATGCACCCATATTCTGAACCTGTTTTAGCATGCAG
CATCCCCCTCTCAACAGGCACCCAACAGAGGCTGCAGATTTTCATGCGCCCCCTACATGAACGTGG
CCAAGAGCGCGGTTTTGACTTTCGGGCAGCAGGCGTGGACCGCTGCGCCTCGTGAATGGCAGCAT
GCACAACGGCACTCTGGACAACCAACTCTCCCTCCGCTACCCAGGCCTCCAGGCGAGTTCACGCCG



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CCTGTGCCGGACAGTTCCTTCAGGACCGCCCTTGACAGACCCGGGGCCGGACCACAGTCCCTGCAGC
 AGCAACAGCAACAGCAGCAGCAGCAGCAGCAGCAACAGCAGCAGCAGCAGCAACAACAGCA
 GCAGCAGCAGCAGCAACGCCAGAACCGGCCCTCATGATTAAACAGATGGCGTCCCGGAACCAGCACAA
 CGGTTGCGACAGCCCAATCTGGCCAGCTAGGCCACCTGGGGACGTGGGCCAGGCGGCCCTGTCCACG
 GAGGTTCCGTGAGCGGCTTGCCCGAGCAGCACTTTGAGCGCAAGGCGGCAGCACAGGTGCGGGGCGCCT
 GGGTGGCTTTGAGCAGCAGGCGCCACCTGGCGCAGGAGAGCGCGTGGTTCCCGGTCCACACCTCCG
 GGAGACCTGCTGCCCCGAGGATGGGCAGCGCGGGTTGCCGGTGAAGTCCGCGCCGACGACCTGGTC
 TGGCGCCTCCCCCTGCTCCAGGTGGTTAGGGGTGCTATTCCGAGGCTCTCTGCAGGAGCCTCTGAGGAT
 GCCTGGGAAGGCCACGTGCCCGCACTGGCTCGCTGGGCTGCAGTTTGGGAGCAGCTTGCTGCGCTA
 GGCCAGTTGCAGTCGCGCGGGGCGGTGTGGGACTGCCAACGCTCCGTCGGAGCGACGGCCTCCGCTC
 CGGACTTCCCGCGCCAGCTCTCGGGGCGCAGCCTGGCTTTCCCTTTGGCTCAGGCAGCCGCGAGGCCAC
 GCCGCACAGCGCTCCAGGCGTGAATTCGCCCCGAGCGCGGGCGCGGCAGCGCAGTTCGGGTGCTGCT
 GGGGGCGCTTACCCACCACAGCCGATTCCAATCCAGCCAGCGCAACTCGGCCAGTAACTGGGCGCGC
 TGTCTTGGGGTCTTCAACAAGCCAGCTCTAAGGACAACCTGTTTGGCCAGAGCTGCCTGGCTGCGCT
 CTCCACTGCTTGCCAGAACATGATCGCCAGCCTGGGTGCTCTAACCTCAACGTGACTTTCAACAAGAAG
 AACCCACCCGAGGGGAAGAGGAACTGAGCCAGAATGAGCCCGACAGCGCGGTTCAGCCCGTAACCCGG
 GCTCGGATTACTTCCCGGAGGGACTACTCTGGGGCCCTGGACCCGGAGGCCCTTCCGGGACCACTGG
 TGGTGGCTCCAAAGCCTCAGGACCGCCCAACCCTCCCATTCAGGGGGACAGCACCAGTCTTCTCCCAAT
 TACACCTGGAATCAACATCGGGTAGCGATGGCAAGCCTGTCCCTGGGGGTAGTGCCCGGGGAAGGGGAC
 GCAGAAACGGGACAGTGGTCATGTGAGCCCCGGGACCTTTTCGACAAATACTCCGCAGCTCCTGACAG
 TGGGGGCGCACCAGGGGTGAGCCCGGGGAGCAGCAGGCTCCTGGTTCAGCCGCTGGGGGAAGCTCAGTA
 AACGAAGCCCGAGGGCCACACCCCATGAGAAGGCCCTCACATCACCATCGTGGGAAAGGGAGCCGAGT
 TGCTCCTTGGGGACAGCCGACCTCATGGCGTCCCTGGACAGCACCGCCAAATCAGATGGTAGTTCCCC
 ACACGTGGGTGAGTTTCGCTCTGATGAGGTGAGCACAAGTTATGCGAATGAGGACGAAGTGTCTCTAGT
 TCTGACAACACTACAGCCCTGGCCAAAGCCAGCCGAAGTCCCCTGGTGACCAGCTCACCCAACTCCCTC
 CTCGAGGAGTGGGTGCTGGGGAACACACCCGAAGCTTCTGCCCTGGGCTGGGCATCCTGTCTACCTC
 TACCTCGACCCCTGACAGCTATGGTGGGGCGTGGGCACCGGACATCCCGGCACACCAGGCTGGAACAG
 GTCCGGACCCCAACGAGCAGCAGCGGTGCGCCGCTCCTGACGAGATTATCCCTGGAGATCCTCAAG
 CCCAGATCCAGCTGCAGAGACAGCAATTTAGCATCTCGGAGGACCAACCCCTGGGCTCAAGGGTAGCAA
 AAAAACCGAGTGTGCTGTAGGGGCTCTGGGGACAGAATGGTGACAGCAGCTGGGTAGCTGCTGCTCA
 GAAGCAGTCAAGAGCGCCATGAGCACCATCGACCTGGACTCCCTGATGGCAGAACACAGCACTACCTGGT
 ACATGCCGCTGACAAGGCCCTGGTGGATGGTGGAGACGATGACAAGACGCTGGCGCCCTGGGAGAAGGC
 CAAGTCCAGAACCCCAACAACAAGAAGTTATGACCACCCACCAACAAGGCCTCAGCCACCCAGCCT
 GGCAGTCACCTGCAGTGTCTGACTGTCCACTGCACAGACGGCGACCCCAAGGCCCGCACCTCCGTACCCA
 CCTGGCGGTCTCTGCACTCTGACATCTCAACCGATTCTGGGACATTTGTGGCTGCCCTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_001191928

Insert Size:

3915 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).

OTI Annotation:

Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_001191928.1</u> , <u>NP_001178857.1</u>
RefSeq Size:	3915 bp
RefSeq ORF:	3915 bp
Locus ID:	498194
Cytogenetics:	12q16