

Product datasheet for **SC303199**

MN1 (NM_002430) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MN1 (NM_002430) Human Untagged Clone
Tag:	Tag Free
Symbol:	MN1
Synonyms:	CEBALID; dj353E16.2; MGCR; MGCR1; MGCR1-PEN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303199 representing NM_002430. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGTTTGGGCTGGACCAATTCGAGCCCCAGGTCAACAGCAGGAACGCTGGCCAGGGCGAGAGGAACCTT
 AACGAGACCGGACTGAGCATGAACACCCACTTTAAGGCCCGGCTTCCACACTGGGGGGCCCCCTGGC
 CCTGTGGATCCTGCTATGAGCGCGCTGGGCGAACCCCGATCTTGGGCATGAACATGGAGCCCTACGGC
 TTCCACGCGCGCGGCCACTCGGAGTTGCACGAGGGGGCTGCAAGCGCAGCCTGTGCACGGCTTCTTT
 GGCGGCCAGCAGCCTACCACGGCCACCCGGGAAGTCATCATCCCCACCAGCATACCCCCACTTTGGG
 GGCAACTTCGGTGGCCCGACCCGGGGCTCGTGCTGCACGGGGTGCCTGCTCGGCTACGGCGGC
 GCAGCCGGAGGCCTGGGAGCCAGCCGCCCTTCGCCGAGGGCTATGAGCACATGGCGGAGAGCCAGGGG
 CCTGAGAGCTTCGGCCCGCAGCGACCGGGGAACCTCCCGACTTCCACAGTTCAGGTGCCTCCAGCCAC
 GCCGTGCCGGCCCCATGCCTGCCGCTGGACCAGAGCCCTAACCGAGCCGCTCCTCCACGGCTGCCG
 TCCTCCAGCGGCTCCGATTCCACAGTCTGGAGCCACGGAGGGTGACGAACCAAGGAGCCGTCGACTCG
 CTGGAATACAATTACCGGGCGAGGCGCCCTCGGGACATTTTGACATGTTTTCGCCCTCTGACTCCGAA
 GGGCAGCTGCCTCATTATGCAGCGGGTCGCCAGGTTCTGGGGGCGCTTCCCGGGCGCTCGGCCATG
 CCCAGAGCTGCGGGCATGGTGGGCTTGCCAAAATGCACGCCAGCCACCGCAGCAGAGCCCCAGCAG
 CAGCAGCAGCCCCAGCAGCAGCAGCAGCATGGTGTGTTCTTTGAGAGGTTTCACTGGGGCCAGAAAG
 ATGCCTGTGGGTCTGGAGCCCTCAGTGGGCTCCAGGCACCGTTAATGCAGCCTCCCGAGCAGGCCCG
 CCACCCCTCAGCAGCAGCCCCGAGCAGCGCCACAGCAGCAGCGCCGCCCGCCACCCGGGCTTCTA
 GTCCGACAAAATTCGTGCCCCTGCGCTCCCTCGGCCCGCAGGGCGAGGCGGGCAGCCAGCGGC
 GGCCTGCAGGACGGAGGCCCATGCTGCCAGCCAGCAGCGCAATTCGAGTATCCCATCCACGGCTG
 GAGAACCAGGAGCATGCACCTTATTCCGAGCCTGTTTTAGCATGCAGCATCCTCCTCCGAGCAGGCG
 CCCAACCGAGGCTGCAGATTTGACGCGCCCCCTACATGAACGTGGCCAAGAGGCCGCGCTTCGAC
 TTTCCGGGAGCGGGAGTGGACCGCTGCGCTTCGTGGAACGGCAGCATGCACAACGGCGCTCTGGAT
 AATCACCTCTCCCTTCCGCTACCCAGGCCTACCGGCGAGTTCACACCGCTGTGCCGACAGCTTC


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CCTTCGGGGCCGCCCTGCAGCATCCGGCCCCGGACCACCACTCCCTGCAACAGCAGCAGCAGCAGCAG
 CAGCAGCAGCAACAGCAGCAGCAGCAGCAGCAACAGCAACAGCAGCAGCAGCAGCAGCGCCAA
 AACCGGGCCCTCATGATTAAGCAGATGGCGTCGCGGAATCAGCAGCAGCGGCTGCGCCAGCCCAACCTG
 GCTCAGCTAGGCCACCCCGGGGACGTGGGCCAGGGCGGCTGGTGCATGGCGGCCCGGTGGGCGGCTTG
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 GCGCCGCACTTGGCGCAAGAGAGCGCGTGGTTCTCAGGTCCGCATCCGCCGCCGGAGACCTGCTGCC
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 CACGTGCCCGCGCTGCCTTCACCGGGCCTGCAGTTCGGGGGCACTGCGGAGGCTGGGTGAGTGCAG
 TCGCCCGGGGCGGGCGTGGGGTCCCCAGCGCTGCTTCGAGCGCGCGCCCCCGCCCGGACTTTGCT
 ACGTCTGCGCTCGGGGGCCAGCCGGGCTTCCGTTTGGTGCAGCCGGCGGCAGTCCACGCCGACAGC
 GGTCCAGGCGTGAACCGCCCCCAGCGCGGAGGGGGCGGTGGCAGCTCTGGTGGCGCGGTGGCGGG
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 TCGCTGGGCTCCTTCAACAAGCCAGCTCAAGGACAACCTGTTGGCCAGAGCTGCCTGGCTGCGCTC
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 AACCCGCCAGAGGCAAGAGGAACTGAGCCAGAACGAGACCGACGGCGCGGAGTGGCCGGCAACCCG
 GGCTCGGATTACTTCCAGGAGGACTGCTCCTGGGGCCCCAGGACCCGAGGCCCGTCCGGGACCACT
 AGCAGCGGCTCCAAAGCCTCGGGGCCGCCAACCTCCAGCCAGGGGGACGGCACCAGCCTCTCCCC
 AACTACACCTGGAATCCACGTGGGGAATGACGGCAAGCCGGTCTCCGGGGCGGCGGCCGGGGACGG
 GGTGCGAGAAAAGGGACAGTGGTACGTGAGCCCTGGCACCTTCTTTGACAAGTACTCGGCGGCTCCG
 GACAGCGGGGGCGCACCTGGGGTGAAGCCAGGGCAGCAGCAAGCGTCAGGCGCAGCGCTCGGGGAAGC
 TCCGCAGGCGAGACGCGCGGGGACCCGACGCCCCACGAAAAGGCGCTCACGTGCCATCCTGGGGGAAG
 GGGGCTGAGTTGCTCCTGGGGATCAGCCGACCTCATTGGGTCCCTGGACGGCGGGGCAAGTCGGAC
 AGTAGTTCCGCAACGTGGGTGAGTTCGCTCGGACGAGGTGAGCACGAGCTACGCCAATGAGGACGAG
 GTGTCGTCAGCTCTGACAACCCCAAGGCACTAGTTAAAGCGAGCAGGAGTCCCCTGGTGACCGGCTCG
 CCAAACCTCCCTCCCGTGGGTAGGCGCGGGGAACACGGACCGAAGGCGCCCCCGCCGCCCTCGGC
 CTGGGCATCATGTCTAACTCTACCTCGACCCCTGACAGCTACGGCGGCGGTGGGGGCCGGGCCATCCG
 GGCACTCCGGGCTGGAGCAGGTCCGACCCCGACGAGCAGCAGCGGCGCCCCGCCACCCGACGAGATC
 CACCCCTGGAGATCCTCAGGCGCAGATCCAGCTACAGAGGCAGCAGTTACGATCTCCGAGGACCAG
 CCTCTGGGGTGAAGGTGGCAAGAAGGTGAGTGCGCCGTGGGGCCTCAGGGGCGCAGAATGGCGAC
 AGCGAGCTGGGACGTGCTGCTCCGAGGCGGTCAAGAGCGCCATGAGCACCATTGACCTGGACTCGCTG
 ATGGCAGAGCACAGCGCTGCCTGGTACATGCCCGCTGACAAGGCCCTGGTGGACAGCGCGGACGACGAC
 AAGACGTTGGCGCCCTGGGAGAAGGCCAAACCCAGAACCCCAACAGCAAGAAGCCACGACCTCCCT
 GCAAACAAGGCCTCAGCATCCCAGCCTGGCAGCCACTTGCAGTGCCTGTCTGTCCACTGCACAGACGAC
 GTGGGTGACGCCAAGGCTCGAGCCTCCGTGCCACCTGGCGGTCCCTGCATTCTGACATCTCAACAGA
 TTTGGGACATTCTGGCTGCCCTAACTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_002430

Insert Size: 3963 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_002430.2</u>
RefSeq Size:	7569 bp
RefSeq ORF:	3963 bp
Locus ID:	4330
UniProt ID:	<u>Q10571</u>
Cytogenetics:	22q12.1
MW:	136 kDa
Gene Summary:	Meningioma 1 (MN1) contains two sets of CAG repeats. It is disrupted by a balanced translocation (4;22) in a meningioma, and its inactivation may contribute to meningioma 32 pathogenesis. [provided by RefSeq, Jul 2008]