

Product datasheet for **RR204709**

Men1 (NM_019208) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Men1 (NM_019208) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Men1
Synonyms:	menin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR204709 representing NM_019208
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCTGAAGGCCGCCAGAAGACGCTGTTCCCTCTGCGCTCTATCGACGACGTGGTGGCCCTGTTCG
 CTGCGGAGCTGGGCCGAGAGGAGCTGACTGGTGTCTCCTCTCCTTGGTTCTGGGCTTCGTAGAGCATTT
 CCTGGCTGTCAACCGTGTCACTCCCAACAGTCCCGGAGCTCACCTTCCAGCCAGCCCGCACCCGAC
 CCTCTGGTGGCCTCACCTACTTCCAGTGGCCGACCTATCCATCATTGCTGCCCTCTATGCCCGATTCA
 CCGCTCAGATCCGCGGTCTGTGGACCTCTCCCTCTATCCTCGAGAGGGGGCGTTTCCAGTCCGGAAC
 GGTAAAAAAGGTCTCGGATGTATATGGAACAGCCTCAGCCGCTCCTACTTCAAGGACCGGGCCACATC
 CAGTCTCTTTCAGTTCATCACAGGCACTAACTGGACAGTTCGGGCGTGGCCTTTCAGTGGTAGGGG
 CCTGCCAGGCTTAGGTCTCAGAGATGTCCATCTGGCCCTGTCCGAGGATCATGCCTGGGTGGTGTTCGG
 GTCCAATGGGGAACAGACGGCTGAGGTGACCTGGCATGGCAAAGGCAACGAGGACCGCAGAGGCCAGACA
 GTCAACGCTGGTGTGGCTGAGCGGAGCTGGCTGTACCTGAAAGGATCGTACATGCCCTGTGACCCGAAGA
 TGGAGGTGGCGTTTATGGTGTGTGCCATCAACCCTTCCATTGATCTTCACTGACTCTTTGAACTGTT
 GCAACTACAGCAGAAGCTGCTCTGGCTGTGTATGACCTAGGACATCTGGAAAGGTACCCCATGGCGCTA
 GGGAACTTGGCAGACCTGGAGGAGCTGGAACCCACCCCTGGTCGGCCAGACCCGCTCACCCCTATCACA
 AGGGGATTGCCTCAGCTAAGACCTACTACCAGGATGAACACATCTACCCCTACATGTACCTGGCTGGATA
 CCATTGTGCAACCGCAATGTGCGTGAAGCCCTGCAGGCTGGGCCGACACTGCCACTGTTATCCAAGAC
 TACAACCTACTGTCGGGAGGATGAAGAGATCTACAAGGAATCTTTGAAGTGGCAATGACGTCATCCCA
 ACCTGCTGAAGGAGGAGCCAGCCCTGCTAGAAGCAGGCGAGGAGCGGCCAGGAGAGCAAGCCAGGGCAC
 CCAAGGCCAAGGTTCTGCCCTCCAGGACCCAGAGTGTCTTGGCCACCTGTGCGATTCTATGATGGCATC
 TGCAAATGGGAGGAGGAGTGCACCACTGACTGACGCTGGGCTGGGCAACTTTCCTTGTGAGTCCC
 TAGGACGCTTTGAGGGACAGGTGCGGCAGAAGGTGCACATAGTTAGCCGGGAAGCCGAGGACAGCAGAGGC
 GGAAGAACCATGGGGGACGAAGCCCGAGAAGGTGTCGCGCGGTCCCCGCCGAGAGTCCAAGCCTGAG
 GAGCCACCACCACCAAGAAGCCTGCGTTGGACAAGGGCCAGGCTCAGGGCAAAGTGCAGGCTCGGGAC
 CTCCTAGAAAACGTGAGGACTGTCTCAGTACTGCCCGTGGCAGAGAAGTGCAGTGTCTCAGGC
 TCCAGCACCTGCAGCATGCCACCCCAAGAGGGCCAGTGTCTACTTCCAGAGTGAAGAATGAAAGGA
 ATGAAGGAGCTACTGGTGGCCACCAAGTCAACTTAGTGCCATCAAGCTGCAACTCACGGCACAGTCCC
 AAGTGCAGATGAAGAAACAGAAGGTGTCCACCCAGCGACTACACACTCTTTTCTAAAGCGGCAGCG
 CAAGGGCCTCAAGGGCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204709 representing NM_019208
 Red=Cloning site Green=Tags(s)

MGLKAAQKTLFPLRSIDVVRLF AAEELGREPDLVLLSLVLGFVEHFLAVNRVIPTNVPETFQPSAPD
 PPGGLTYFPVADLSIIAALYARFTAQIRGAVDLSLYPREGGVSSREL VKKVSDVIWNSLSRSYFKDRAHI
 QSLFSFITGKLDSSGVAFVVGACQALGLRDVHLAL SEDHAWVVFSGNQEQTAEVTWHGKGNEDRRGQT
 VNAGVAERSWL YLKGSYMRCRDMEVAFMVCAINPSIDLHTDSLELLQLQKLLWLLYDLGHLERYPMAL
 GNLADLEELEPTPGRPDPLTYHKGIASAKTYQDEHIYPYMYLAGYHCRNRNVREALQAWADTATVIQD
 YNYCREDEEIIYKEFFEYANDVIPNLLKEAASLLEAGEERPGEQAQGTQGGQSALQDPECF AHLLRFYDGI
 CKWEEGSPVPLHVGWATFLVQSLGRFEGQVRQKVHIVSREAAEAEEPPWGEAREGRRRGRPRESKPE
 EPPPPKPALDKGPGSGQSAGSGPPRKTSGTVSGTARGTEVSSAAQAPAPAASPPPEGPVLTQFSEKMKG
 MKELLVATKINSSAIKLQLTAQSQVQMKKQKVSTPSDYTL SFLKRQRKGLQGP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1568_a02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019208

ORF Size: 1830 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.

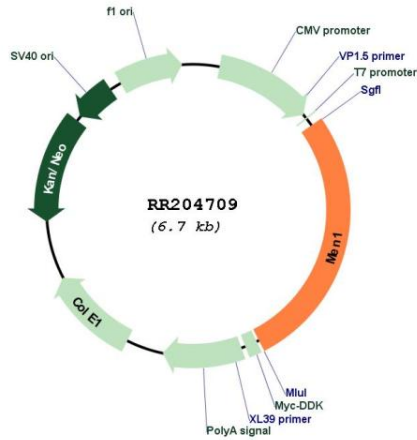
RefSeq: [NM_019208.3](#), [NP_062081.1](#)

RefSeq Size: 2996 bp

RefSeq ORF: 1833 bp

Locus ID: 29417
UniProt ID: [Q9WVR8](#)
Cytogenetics: 1q43
MW: 67.3 kDa
Gene Summary: displays conservation with the human and mouse homologs for amino acid residues that are mutated in human multiple endocrine neoplasia type 1 [RGD, Feb 2006]

Product images:



Circular map for RR204709