

Product datasheet for **RC214752**

Menin (MEN1) (NM_130800) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Menin (MEN1) (NM_130800) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Menin
Synonyms:	MEAI; SCG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC214752 representing NM_130800
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCTGAAGGCCGCCAGAAGACGCTGTTCCCGCTGCGCTCCATCGACGACGTGGTGGCCCTGTTT
 CTGCCGAGCTGGGCCGAGAGGAGCCGACTGGTGTCTCTTCTTGGTGTGGGCTTCGTGGAGCATT
 TCTGGCTGTCAACCGCGTCATCCCTACCAACGTTCCCGAGCTCACCTTCCAGCCCAGCCCCGCCCGAC
 CCGCTGGCGGCCTCACCTACTTCCCGTGGCCGACCTGTCTATCATCGCCGCCCTCTATGCCCGTTCA
 CCGCCAGATCCGAGGCGCGTGCACCTGTCCCTCTATCCTCGAGAAGGGGTGTCTCCAGCCGTGAGCT
 GGTGAAGAAGGTCTCGATGTATATGGAACAGCCTCAGCCGCTCCTACTTCAAGGATCGGGCCACATC
 CAGTCCCTCTCAGCTTATCACAGTTGGAGCCAGTAGGCACCAAATTGGACAGCTCCGGTGTGGCT
 TTGCTGTGGTGGGGCTGCCAGGCCCTGGGTCTCCGGGATGTCCACCTCGCCCTGTCTGAGGATCATGC
 CTGGGTAGTGTGGGCCAATGGGGAGCAGACAGCTGAGGTACCTGGCACGGCAAGGGCAACGAGGAC
 CGCAGGGGCCAGACAGTCAATGCCGGTGTGGTGTAGCGGAGCTGGCTGTACCTGAAAGGATCATACATGC
 GCTGTGACCGCAAGATGGAGGTGGCGTTCATGGTGTGTGCCATCAACCCTTCCATTGACCTGCACACCGA
 CTCGCTGGAGCTTCTGCAGCTGCAGCAGAAGCTGCTCTGGCTGCTCTATGACCTGGGACATCTGAAAGG
 TACCCCATGGCCTTAGGGAACCTGGCAGATCTAGAGGAGCTGGAGCCCACCCCTGGCCGGCCAGACCCAC
 TCACCCTTACCACAAGGCATTGCCTCAGCCAAGACCTACTATCGGGATGAACACATCTACCCCTACAT
 GTACCTGGCTGGTACCCTGTCCGAACCGCAATGTGCGGGAAGCCCTGCAGGCTGGCCGGACACGGCC
 ACTGTCTCCAGGACTACAACCTGCTGAAGGAGCAGCCAGCTTGTCTGGAGCGGGCGAGGACGGCCGGGGGA
 ATGATGTATCCCAACCTGCTGAAGGAGCAGCCAGCTTGTCTGGAGCGGGCGAGGACGGCCGGGGGA
 GCAAAGCCAGGGCACCCAGAGCCAAGGTTCCGCCCTCCAGGACCTGAGTGCTTCGCCACCTGCTGCGA
 TTCTACGACGGCATCTGCAAATGGGAGGAGGCGAGTCCCACGCCCTGTGCTGCACGTGGGCTGGGCCACCT
 TTCTTGTGACGTCCCTAGGCCGTTTTGAGGGACAGGTGCGGCAGAAGGTGCGCATAGTGAGCCGAGAGGC
 CGAGGCGGCCGAGGCCGAGGAGCCGTGGGGCGAGGAAGCCGGGAAGGCCGGCGGGGCCACGGCGG
 GAGTCCAAGCCAGAGGAGCCCCCGCCCAAGAAGCCAGCACTGGACAAGGGCTGGGCACCGGCCAGG
 GTGCAGTGTGAGGACCCCGGAAGCCTCCTGGGACTGTGCTGGCACAGCCCGAGGCCCTGAAGGTGG
 CAGCACGGCTCAGGTGCCAGCACCCGAGCATCACCACCGCCGGAGGTCAGTGTCTCACTTCCAGAGT
 GAGAAGATGAAGGCATGAAGGAGCTGCTGGTGGCCACCAAGATCAACTCGAGCGCCATCAAGCTGCAAC
 TCACGGCACAGTCGCAAGTGCAGATGAAGAAGCAGAAAGTGTCCACCCTAGTGACTACACTCTGTCTTT
 CCTCAAGCGGCAGCGCAAAGGCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214752 representing NM_130800
 Red=Cloning site Green=Tags(s)

MGLKAAQKTLFPLRSIDVVRLFAAELGREPDLVLLSLVLGFVEHFLAVNRVIPTNVPETFQPSAPD
 PPGGLTYFPVADLSIIAALYARFTAQIRGAVDLSLYPREGGVSSRELVKKVSVDVIWNSLSRSYFKDRAHI
 QSLFSFITGWSPVGTCLDSSGVAFVVGACQALGLRDVHLALSEDHAWVVFPGNGEQTAEVTHWGKGNED
 RRGQTVNAGVAERSWL YLKGSYMRCRDRKMEVAFMVCAINPSIDLHTDSLELLQLQQKLLWLLYDLGHLER
 YPMALGNLADLELEPTPGRPDPLTYHKGIASAKTYRDEHIYPYMYLAGYHCRNRNVREALQAWADTA
 TVIQDYNCREDEEIIYKEFFEANDVIPNLLKEAASLLEAGEERPGEQSQTQSQGSALQDPECF AHLLR
 FYDGICKWEEGSPVPLHVGWATFLVQSLGRFEGQVRQKVRIVSREAAEAEEEPWGEEAREGRRRPPRR
 ESKPEEPPPKPALDKLGTGGQAVSGPPRPPGTVAGTARGPEGGSTAQVPAPAASPPPEGPVLTQFS
 EKMKGMKELLVATKINSSAIKLQLTAQSQVQMKKQKVSTPSPDYTL SFLKRQRKGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_130800

ORF Size: 1845 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_130800.2](#), [NP_570712.1](#)

RefSeq Size: 2748 bp

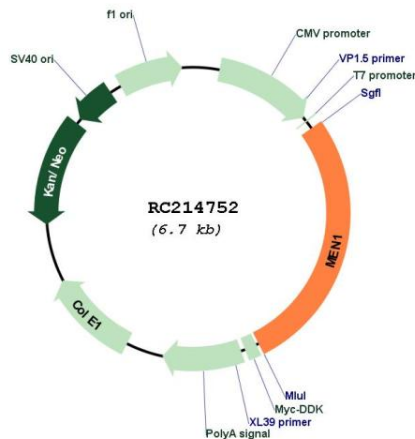
RefSeq ORF: 1848 bp

Locus ID: 4221

UniProt ID: [O00255](#)

Cytogenetics:	11q13.1
Protein Families:	Druggable Genome, Transcription Factors
MW:	68 kDa
Gene Summary:	This gene encodes menin, a tumor suppressor associated with a syndrome known as multiple endocrine neoplasia type 1. Menin is a scaffold protein that functions in histone modification and epigenetic gene regulation. It is thought to regulate several pathways and processes by altering chromatin structure through the modification of histones. [provided by RefSeq, May 2019]

Product images:



Circular map for RC214752