

Product datasheet for RC403525

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Menin (MEN1) (NM_130799) Human Mutant ORF Clone

Product data:

Product Type: Mutant ORF Clones

Product Name: Menin (MEN1) (NM_130799) Human Mutant ORF Clone

Mutation Description: Y77X

Affected Codon#: 77

Affected NT#: 231

Nucleotide Mutation: MEN1 Mutant (Y77X), Myc-DDK-tagged ORF clone of Homo sapiens multiple endocrine

neoplasia I (MEN1), transcript variant 2 as transfection-ready DNA

Effect: Multiple endocrine neoplasia 1

Symbol: Menin

Synonyms: MEAI; SCG2

E. coli Selection: Kanamycin (25 ug/mL)

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-Entry (PS100001)

Tag: Myc-DDK
ACCN: NM 130799

ORF Size: 228 bp Restriction Sites: Sgfl-Mlul

ORF Nucleotide >RC403525 representing NM_130799

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGGGCTGAAGGCCGCCAGAAGACGCTGTTCCCGCTGCGCTCCATCGACGACGTGGTGCGCCTGTTTGCTGCCGAGCTGGGCCCAGAGAGGAGCCGGACCTGGTGCTCCTTTCCTTGGTGCTGGGCTTCGTGGAGCATTTTCCTGGCTGTCAACCGCCCAGCCCCCAACGTTCCCGAGCTCACCAACGTTCCCGAGCTCACCAGCCCCAGCCCCCGAC

CCGCCTGGCGGCCTCACC

 ${\bf AGCGGACCG} {\bf ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC}$

TGGATTACAAGGATGACGACGA TAAGGTTTAA





Protein Sequence: >RC403525 representing NM_130799

Red=Cloning site Green=Tags(s)

 ${\tt MGLKAAQKTLFPLRSIDDVVRLFAAELGREEPDLVLLSLVLGFVEHFLAVNRVIPTNVPELTFQPSPAPD}$

PPGGLT

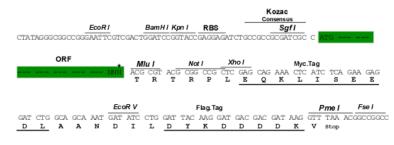
SGPTRTRRLEQKLISEEDLAANDILDYKDDDDK**V**

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

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).

Note:

Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: NP 570711

RefSeq Size: 228 bp
RefSeq ORF: 1833 bp
Locus ID: 4221
Cytogenetics: 11q13.1
Domains: Menin



Menin (MEN1) (NM_130799) Human Mutant ORF Clone - RC403525

Protein Families: Druggable Genome, Transcription Factors

MW: 8.4 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]