

## Product datasheet for **SC305911**

### Menin (MEN1) (NM\_130803) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Menin (MEN1) (NM_130803) Human Untagged Clone
Tag:	Tag Free
Symbol:	Menin
Synonyms:	MEAI; SCG2
Vector:	<u>pCMV6 series</u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_130803, the custom clone sequence may differ by one or more nucleotides

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ATGGGGCTGAAGGCCGCCAGAACGCTGTTCCCGCTGCGCTCCATCGACGACGTGGTG
CGCCTGTTTGCTGCCGAGCTGGGCCGAGAGGACCGGACCTGGTCTCCTTTCTTGGTG
CTGGGCTTCGTGGAGCATTTTCTGGCTGTCAACCGCGTCATCCCTACCAACGTTCCCGAG
CTCACCTTCCAGCCAGCCCCGCCCGACCCGCTGGCGGCTCACCTACTTTCCCGTG
GCCGACCTGTCTATCATCGCCGCCCTCTATGCCCGCTTACCCGCCAGATCCGAGGCGCC
GTCGACCTGTCCCTCTATCCTCGAGAAGGGGTGTCTCCAGCCGTGAGCTGGTGAAGAAG
GTCTCCGATGTATATGGAACAGCCTCAGCCGCTCCTACTTCAAGGATCGGGCCACATC
CAGTCCCTCTTACGTTTATCACAGTTGGAGCCAGTAGGCACCAAATTGGACAGCTCC
GGTGTGGCCTTTGCTGTGGTTGGGGCTGCCAGGCCCTGGGTCTCCGGGATGTCCACCTC
GCCCTGTCTGAGGATCATGCCTGGGTAGTGTGGGCCCAATGGGGAGCAGACAGCTGAG
GTCACCTGGCACGGCAAGGGCAACGAGGACCGCAGGGCCAGACAGTCAATGCCGTGTG
GCTGAGCGGAGCTGGCTGTACCTGAAAGGATCATACATGCGCTGTGACCGCAAGATGGAG
GTGGCGTTCATGGTGTGTGCCATCAACCCTTCCATTGACCTGCACACCGACTCGTGGAG
CTTCTGCAGCTGCAGCAGAAGCTGCTCTGGCTGCTCTATGACCTGGGACATCTGGAAAGG
TACCCCATGGCCTTAGGGAACCTGGCAGATCTAGAGGAGCTGGAGCCACCCCTGGCCGG
CCAGACCCACTCACCTCTACCACAAGGGCATTGCCTCAGCCAAGACCTACTATCGGGAT
GAACACATCTACCCTACATGTACCTGGCTGGCTACCACTGTGCGAACCGCAATGTGCGG
GAAGCCCTGCAGGCTGGGGCGACACGGCCACTGTATCCAGGACTACAATACTGCGCG
GAAGACGAGGAGATCTACAAGGAGTTCTTTGAAGTAGCCAATGATGTATCCCAACCTG
CTGAAGGAGGCAGCCAGTTGCTGGAGGCGGGCAGGAGCGGCCGGGGAGCAAAGCCAG
GGCACCCAGAGCCAAGGTTCCGCCCTCCAGGACCCTGAGTGCTTCGCCACCTGCTGCGA
TTCTACGACGGCATCTGCAAATGGGAGGAGGGCAGTCCCACGCCGTGTGCTGCACGTGGGC
TGGGCCACCTTTCTGTGCACTCCTAGGCCGTTTTGAGGGACAGGTGCGGCAGAAGGTG
CGCATAGTGAGCCGAGAGGCCGAGGCGCCGAGGCCGAGGAGCCGTGGGGCAGGAAGCC
CGGGAAGCCGCGCGGGGCCACGGCGGGAGTCCAAGCAGAGGAGCCCCCGCGGCC
AAGAAGCCAGCACTGGACAAGGGCTGGGCACCGGCCAGGGTGCAGTGTGAGGACCCCC
CGGAAGCCTCCTGGGACTGTGCTGGCACAGCCGAGGCCCTGAAGGTGGCAGCAGCGCT
CAGGTGCCAGCACCCGACGATCACCACCGCCGAGGGTCCAGTGCTCACTTTCCAGAGT
GAGAAGATGAAGGGCATGAAGGAGCTGCTGGTGGCCACCAAGATCAACTCGAGCGCCATC
AAGCTGCAACTACGGCACAGTCGCAAGTGCAGATGAAGAAGCAGAAAGTGTCCACCCCT
AGTGACTACACTCTGTCTTCTCAAGCGGCAGCGCAAAGGCCTCTGA

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**Restriction Sites:** Please inquire

**ACCN:** NM\_130803

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_130803.1</a> , <a href="#">NP_570715.1</a>
<b>RefSeq Size:</b>	3181 bp
<b>RefSeq ORF:</b>	1848 bp
<b>Locus ID:</b>	4221
<b>UniProt ID:</b>	<a href="#">O00255</a>
<b>Cytogenetics:</b>	11q13.1
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (e1E) has a distinct 5' UTR from variant 1, but shares some 5' UTR sequence with variant e1F1. Variants 1, e1B, e1C, e1D, e1E, and e1F1 all encode the same isoform (1).</p>