

## Product datasheet for **RG214797**

### Menin (MEN1) (NM\_130801) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Menin (MEN1) (NM_130801) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MEN1
Synonyms:	MEAI; SCG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG214797 representing NM\_130801  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGGCTGAAGCCGCCAGAAGACGCTGTTCCCGCTGCGCTCCATCGACGACGTGGTGGCCCTGTTT  
 CTGCCGAGCTGGGCCGAGAGGAGCCGACTGGTGTCTTCTTGGTGTGGCTTCGTGGAGCATT  
 TCTGGCTGTCAACCGCGTCATCCCTACCAACGTTCCCGAGCTCACCTTCCAGCCAGCCCGCCCCGAC  
 CCGCTGGCGGCCTCACCTACTTCCCGTGGCCGACCTGTCTATCATCGCCGCCCTATGCCCGTTCA  
 CCGCCAGATCCGAGGCGCGTGCACCTGTCCCTCTATCCTCGAGAAGGGGTGTCTCCAGCCGTGAGCT  
 GGTGAAGAAGGTCTCCGATGTATATGGAACAGCCTCAGCCGCTCTACTTCAAGGATCGGGCCACATC  
 CAGTCCCTCTCAGCTTATCACAGTTGGAGCCAGTAGGCACCAAATTGGACAGCTCCGGTGTGGCT  
 TTGCTGTGGTGGGGCTGCCAGGCCCTGGGTCTCCGGGATGTCCACCTCGCCCTGTCTGAGGATCATGC  
 CTGGGTAGTGTGGGCCAATGGGGAGCAGACAGCTGAGGTACCTGGCACGGCAAGGGCAACGAGGAC  
 CGCAGGGGCCAGACAGTCAATGCCGGTGTGGTGTAGCGGAGCTGGCTGTACCTGAAAGGATCATACATGC  
 GCTGTGACCGCAAGATGGAGGTGGCGTTTATGGTGTGTGCCATCAACCCTTCCATTGACCTGCACACCGA  
 CTCGCTGGAGCTTCTGCAGCTGCAGCAGAAGCTGCTCTGGCTGCTCTATGACCTGGGACATCTGAAAGG  
 TACCCCATGGCCCTTAGGGAACCTGGCAGATCTAGAGGAGCTGGAGCCACCCCTGGCCGGCCAGACCCAC  
 TCACCCCTACCAACAAGGCATTGCCTCAGCCAAGACCTACTATCGGGATGAACACATCTACCCCTACAT  
 GTACCTGGCTGGTACCCTGTCCGAACCGCAATGTGCGGGAAGCCCTGCAGGCCGCGGCGGACACGGCC  
 ACTGTCTCCAGGACTACAACCTACTGCCGGGAAGACGAGGAGATCTACAAGGAGTTCTTTGAAGTAGCCA  
 ATGATGTATCCCAACCTGCTGAAGGAGGCAGCCAGCTTGTGAGGCGGGCGAGGACCGCCGGGGGA  
 GCAAAGCCAGGGCACCCAGAGCCAAGGTTCCGCCCTCCAGGACCTGAGTGCTTCGCCACCTGCTGCGA  
 TTCTACGACGGCATCTGCAAATGGGAGGAGGCGAGTCCCACGCCCTGTGCTGCACGTGGGCTGGGCCACCT  
 TTCTTGTGACGTCCCTAGGCCGTTTTGAGGGACAGGTGCGGCAGAAGGTGCGCATAGTGAGCCGAGAGGC  
 CGAGGCGGCCGAGGCCGAGGAGCCGTGGGGCGAGGAAGCCGGGAAGGCCGGCGGGGCCACGGCGG  
 GAGTCCAAGCCAGAGGAGCCCCCGCCCAAGAAGCCAGCACTGGACAAGGGCTGGGCACCGGCCAGG  
 GTGCAGTGTGAGGACCCCGGAAGCCTCCTGGGACTGTGCTGGCACAGCCCGAGGCCCTGAAGGTGG  
 CAGCACGGCTCAGGTGCCAGCACCCGACATCACCACCGCCGGAGGTCAGTGTCTCACTTCCAGAGT  
 GAGAAGATGAAGGCATGAAGGAGCTGCTGGTGGCCACCAAGATCAACTCGAGCGCCATCAAGCTGCAAC  
 TCACGGCACAGTCGCAAGTGCAGATGAAGAAGCAGAAAGTGTCCACCCCTAGTGACTACACTCTGTCTTT  
 CCTCAAGCGGCAGCGCAAAGGCCTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG214797 representing NM\_130801  
 Red=Cloning site Green=Tags(s)

MGLKAAQKTLFPLRSIDVVRFLFAAELGREEDLVLLSLVLFVVEHFLAVNRVIPTNPELTFQSPAPD  
 PPGGLTYFPVADLSIIAALYARFTAQIRGAVDLSLYPREGGVSSRELVKKVSVDIWNLSRSYFKDRAHI  
 QSLFSFITGWSPVGTKLDSGVAVFVVGACQALGLRDVHLALSEDHAWVVFPGNGEQTAEVTHWKGND  
 RRGQTVNAGVAERSWL YLKGSYMRCDRMEVAFMVCAINPSIDLHTDSLELLQLQKLLWLLYDLGHLER  
 YPMALGNLADLELEPTPGRPDPLTL YHKGIAAKTYRDEHIYPYMYLAGYHCRNRNVREALQAWADTA  
 TVIQDYNCREDEEIIYKEFFEYVANDVIPNLLKEAASLLEAGEERPGEQSQTQSQGSALQDPECF AHL LR  
 FYDGICKWEESPTPVLHVGWATFLVQSLGRFEGQVRQKVRIVSREAEAEAEPEPWGEEAREGRRRPPRR  
 ESKPEEPPPKPALDKGLGTGQGAVSGPPRPPGTVAGTARGPEGGSTAQVPAPAAASPPPEGPVLTQFS  
 EKMKGMKELLVATKINSSAIKLQLTAQSQVQMKKQKVSTPSDYLSFLKRQRKGL

**TRTRPLE** - GFP Tag - V

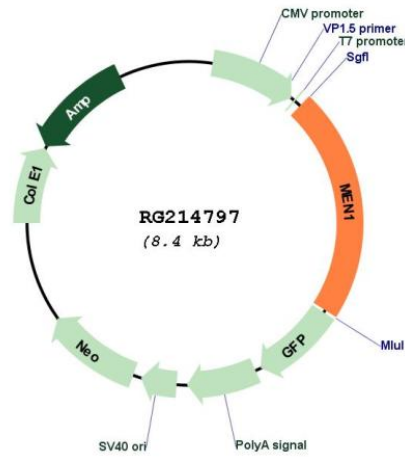
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_130801  
ORF Size: 1845 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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_130801.2</a> , <a href="#">NP_570713.1</a>
<b>RefSeq Size:</b>	2736 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>	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]