

Product datasheet for **SC303197**

Motilin (MLN) (NM_002418) Human Untagged Clone

Product data:

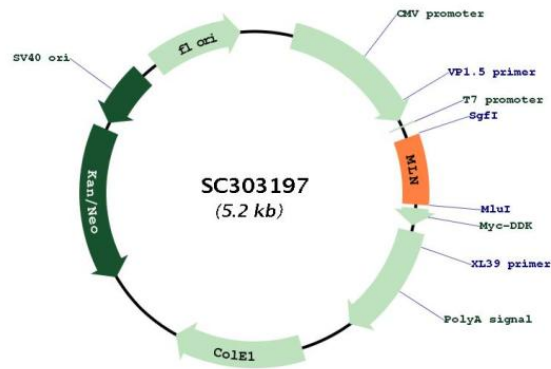
Product Type: Expression Plasmids
Product Name: Motilin (MLN) (NM_002418) Human Untagged Clone
Tag: Tag Free
Symbol: MLN
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC303197 representing NM_002418.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGTATCCCCTAAGGCTGTGGCTGCTCTGCTGGTGGTGCATGTAGCTGCCATGCTGGCCTCCCAGACG
GAAGCCTTCGTCCCCTCTTCACCTATGGCGAACTCCAGAGGATGCAGGAAAAGGAACGGAATAAAGGG
CAAAGAAATCCCTGAGTGTATGGCAGAGGTCTGGGGAGGAAGTCTGTAGACCCTGCGGAGCCCATC
AGGGAAGAAGAAAACGAAATGATCAAGCTGACTGCTCCTCTGAAATTGGAATGAGGATGAACTCCAGA
CAGCTGGAAAAGTACCCGCCACCCTGGAAGGGCTGCTGAGTGAATGCTTCCCAGCATGCAGCCAAG
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_002418

Insert Size: 348 bp

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).

Reconstitution Method:	<ol style="list-style-type: none">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_002418.2
RefSeq Size:	572 bp
RefSeq ORF:	348 bp
Locus ID:	4295
UniProt ID:	P12872
Cytogenetics:	6p21.31
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	12.9 kDa
Gene Summary:	<p>This gene encodes a small peptide hormone that is secreted by cells of the small intestine to regulate gastrointestinal contractions and motility. Proteolytic processing of the secreted protein produces the mature peptide and a byproduct referred to as motilin-associated peptide (MAP). Three transcript variants encoding different preproprotein isoforms but the same mature peptide have been found for this gene. [provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>