

Product datasheet for **SC328177**

Motilin (MLN) (NM_001184698) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Motilin (MLN) (NM_001184698) Human Untagged Clone
Tag:	Tag Free
Symbol:	MLN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001184698, the custom clone sequence may differ by one or more nucleotides ATGGTATCCCGTAAGGCTGTGGCTGCTCTGCTGGTGGTGCATGTAGCTGCCATGCTGGCC TCCCAGACGGAAGCCTTCGTCCCACCTATGGCGAACTCCAGAGGATGCAGGAA AAGGAACGGAATAAAGGGCAAAAGAAATCCCTGAGTGTATGGCAGAGGTCTGGGGAGGAA GGTCTGTAGACCCTGCGGAGCCCATCAGGGAAGAAGAAAACGAAATGATCAAGCTGACT GCTCCTTGAAAATTGGAATGAGGATGAACTCCAGACAGCTGGAAAAGTACCCGGCCACC CTGGAAGGGCTGCTGACAGCCAAGTGA
Restriction Sites:	Please inquire
ACCN:	NM_001184698
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).



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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_001184698.1](#), [NP_001171627.1](#)

RefSeq Size: 551 bp

RefSeq ORF: 327 bp

Locus ID: 4295

UniProt ID: [P12872](#)

Cytogenetics: 6p21.31

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Gene Summary: 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]
Transcript Variant: This variant (3) uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.