

Product datasheet for **RC229539**

Motilin (MLN) (NM_001184698) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Motilin (MLN) (NM_001184698) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MLN
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC229539 representing NM_001184698
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGTATCCCCTAAGGCTGTGGCTGCTCTGCTGGTGGTGCATGTAGCTGCCATGCTGGCCTCCAGACGG
AAGCCTTCGTCCCATCTCACCTATGGCGAACTCCAGAGGATGCAGAAAAGGAACGGAATAAAGGGCA
AAAGAAATCCCTGAGTGTATGGCAGAGGTCTGGGAGGAAGTCTGTAGACCTGCGGAGCCCATCAGG
GAAGAAGAAAACGAAATGATCAAGCTGACTGCTCCTCTGGAAATTGGAATGAGGATGAATCCAGACAGC
TGGAAAAGTACCCGGCCACCCTGGAAGGCTGCTGACAGCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC229539 representing NM_001184698
Red=Cloning site Green=Tags(s)

MVSRKAVAALLVVHVAAMLASQTEAFVPIFTYGELQRMQEKERNKGQKKSLSVWQRSGEVDPVPAEPIR
EEENEMIKLTAPLEIGMRMNSRQLEKYPATLEGLLTAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

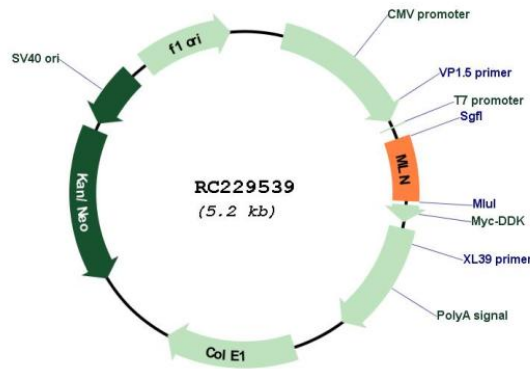


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001184698
 ORF Size: 324 bp

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).
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_001184698.2
RefSeq ORF:	327 bp
Locus ID:	4295
UniProt ID:	P12872
Cytogenetics:	6p21.31
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	12.6 kDa
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]