

Product datasheet for **SC303036**

Motilin receptor (MLNR) (NM_001507) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Motilin receptor (MLNR) (NM_001507) Human Untagged Clone
Tag:	Tag Free
Symbol:	Motilin receptor
Synonyms:	GPR38; MTLR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC303036 sequence for NM_001507 edited (data generated by NextGen Sequencing)

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ATGGGCAGCCCCGGAACGGCAGCGACGGCCCCGAGGGGGCGCGGAGCCGCCGTGGCC
GGCTGCGCCTTGCGAGGAGCGCGCTGCTCGCCCTTTCCCTGGGGCGCTGGTGCCG
GTGACCGCTGTGTGCCTGTGCCTGTTTCGTGCGGGGTGAGCGGCAACGTGGTGACCGTG
ATGCTGATCGGGCGCTACCGGGACATGCGGACCACCACCAACTTGTACCTGGGCAGCATG
GCCGTGTCGACCTACTCATCTGCTCGGGCTGCCGTTGACCTGTACCGCCTCTGGCGC
TCGCGGCCCTGGGTGTTGCGGCCGCTGCTCTGCCGCTGTCCCTTACGTGGGCGAGGGC
TGACCTACGCCACGCTGCTGCACATGACCGCGCTCAGCGTCGAGCGCTACCTGGCCATC
TGCCGCCCGCTCCGCGCCCGCTTTGGTCACCCGGCGCCGCTCCGCGCGCTCATCGCT
GTGCTCTGGGCCGTGGCGCTGCTCTGCGCGTCCCTTCTGTTCTGGTGGGCGTCGAG
CAGGACCCCGGCATCTCGTAGTCCCGGCCCTCAATGGCACCGCGCGGATCGCCTCCTCG
CCTCTCGCCTCGTCGCGCCTCTCTGGCTCTCGCGGGCGCCACCGCCGTCCCCGCGCTCG
GGGCCCCGAGACCGCGGAGGCCGCGGCGCTGTTACCGCGGAATGCCGGCCGAGCCCCGCG
CAGCTGGGCGCGCTGCGTGTGATGCTGTGGGTACCCACCGCTACTTCTTCTGCCCCCTT
CTGTGCCCTCAGCATCCTTACGGGCTCATCGGGCGGGAGCTGTGGAGCAGCCGGCGGCCG
CTGCGAGGCCCGCCGCTCGGGGCGGGAGAGAGGCCACCGGCAGACCGTCCGCGTCTG
CTGGTGGTGGTCTGGCATTATAATTTGCTGGTTGCCCTTCCAGTTGGCAGAATCATT
TACATAAACCGGAAGATTCGCGGATGATGACTTCTCTCAGTACTTTAACATCGTCGCT
CTGCAACTTTTCTATCTGAGCGCATCTATCAACCAATCCTCTACAACCTCATTTCAAAG
AAGTACAGAGCGGCGCCTTTAACTGCTGCTCGCAAGGAAGTCCAGGCCGAGAGGCTTC
CACAGAAGCAGGGACTGCGGGGAAGTTGCAGGGGACTGGAGGAGACCGGTGGGC
TACACCGAGACAAGCGCTAACGTGAAGACGATGGGATAA

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Clone variation with respect to NM_001507.1

Restriction Sites: Please inquire



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ACCN:	NM_001507
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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<u>NM_001507.1</u> , <u>NP_001498.1</u>
RefSeq Size:	1239 bp
RefSeq ORF:	1239 bp
Locus ID:	2862
UniProt ID:	<u>O43193</u>
Cytogenetics:	13q14.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	Motilin is a 22 amino acid peptide hormone expressed throughout the gastrointestinal (GI) tract. The protein encoded by this gene is a motilin receptor which is a member of the G-protein coupled receptor 1 family. This member is a multi-pass transmembrane protein, and is an important therapeutic target for the treatment of hypomotility disorders. [provided by RefSeq, Aug 2011]