

Product datasheet for RC235749

MTLRP (GHRL) (NM_001302821) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MTLRP (GHRL) (NM_001302821) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MTLRP
Synonyms: MTLRP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC235749 representing NM_001302821
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCTCCCCAGGGACCGTCTGCAGCCTCCTGCTCCTCGGCATGCTCTGGCTGGACTTGGCCATGGCAG
GCTCCAGCTTCTGAGCCCTGAACACCAGAGAGTCCAGCAGAGAAAGGAGTCGAAGAAGCCACCAGCCAA
GCTGCAGCCCCGAGCTCTAGCAGGCTGGCTCCGCCGGAAGATGGAGGTCAAGCAGAAGGGGCAGAGGAT
GAAATGGAAGTCCGGTTCAACGCCCTTTGATGTTGGAATCAAGCTGTCAGGGGTTCACTACCAGCAGC
ACAGCCAGGCCCTGGGAAGTTTCTTCAGGACATCCTCTGGGAAGAGGCCAAAGAGGCCCCAGCCGACAA
G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235749 representing NM_001302821
Red=Cloning site Green=Tags(s)

MPSPGTVCSLLLLGMLWLDLAMAGSSFLSPEHQRVQQRKESKPPAKLQPRALAGWLRPEDGGQAEAGED
EMEVRFNAPFDVGIKLSGVYQQHSQALGKFLQDILWEEAKEAPADK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6018_h01.zip

Restriction Sites: Sgfl-Mlul

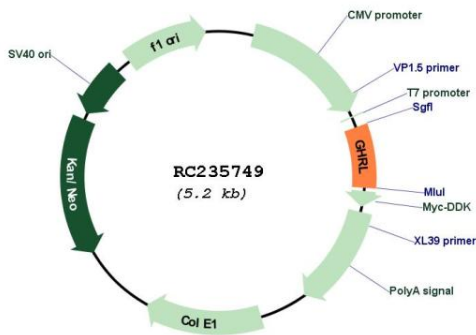


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Cytogenetics: 3p25.3
Protein Families: Druggable Genome, Secreted Protein, Transmembrane
MW: 12.9 kDa

Gene Summary: This gene encodes the ghrelin-obestatin preproprotein that is cleaved to yield two peptides, ghrelin and obestatin. Ghrelin is a powerful appetite stimulant and plays an important role in energy homeostasis. Its secretion is initiated when the stomach is empty, whereupon it binds to the growth hormone secretagogue receptor in the hypothalamus which results in the secretion of growth hormone (somatotropin). Ghrelin is thought to regulate multiple activities, including hunger, reward perception via the mesolimbic pathway, gastric acid secretion, gastrointestinal motility, and pancreatic glucose-stimulated insulin secretion. It was initially proposed that obestatin plays an opposing role to ghrelin by promoting satiety and thus decreasing food intake, but this action is still debated. Recent reports suggest multiple metabolic roles for obestatin, including regulating adipocyte function and glucose metabolism. Alternative splicing results in multiple transcript variants. In addition, antisense transcripts for this gene have been identified and may potentially regulate ghrelin-obestatin preproprotein expression. [provided by RefSeq, Nov 2014]

Product images:



Circular map for RC235749