

Product datasheet for **MR226309**

Gip (NM_008119) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gip (NM_008119) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gip
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR226309 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGGCTTTGAAGACCTGCTCTCTGTTGCTGGTCTCCTGTTCTGGCTGTCGGGCTGGGAGAAAAAG
 AAGAGGTTGAGTTCGGATCCCATGCTAAATTTGCTGGCCCTCGACCTCGAGGTCCAAGGTACGCAGAGGG
 GACTTTTCATCAGTGATTACAGCATCGCCATGGACAAGATCCGACAACAAGACTTCGTGAAGTGGCTGCTG
 GCACAGAGGGGGAAGAAGAGTGACTGGAACACAACATCACCCAGAGAGAGGCCCGGGCTTTGGTGCTGG
 CAGGGCAATCTCAGGGAAAGGAGGACAAAGAGGCACAGGGGAGCTCGTTGCCAAGAGCCTCAGTGATGA
 TGATGTGCTGAGAGACCTTCTGATTCAAGAGCTACTGGCCTGGATGGTGGACCAACAGAGCTCTGCCGA
 CTCAGGTCTCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226309 protein sequence
 Red=Cloning site Green=Tags(s)

MVALKTCSELLL VLLFLAVGLGEKEEVEFRSHAKFAGPRPRGPRYAEGTFISDYSIAMDKIRQQDFVNWLL
 AQRGKSDWKHNITQREARALVLAGQSQKEDKEAQGSSLPKSLSDDDVLRDLLIQELLAWMVDQTELCR
 LRSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_008119

ORF Size: 435 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:

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_008119.1](#), [NM_008119.2](#), [NP_032145.2](#)

RefSeq Size: 649 bp

RefSeq ORF: 435 bp

Locus ID: 14607

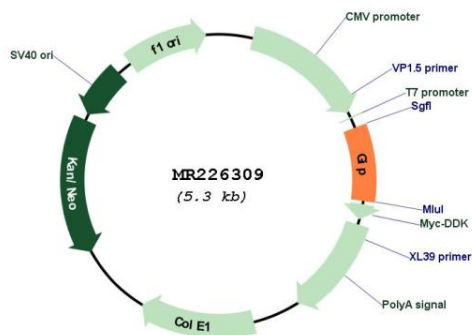
UniProt ID: [P48756](#)

Cytogenetics: 11 D

MW: 16.3 kDa

Gene Summary: This gene encodes an incretin hormone that belongs to the glucagon superfamily. The encoded preproprotein undergoes proteolytic processing to generate mature peptides that function as potent stimulators of insulin secretion and inhibit gastric acid secretion. Transgenic mice overexpressing the encoded protein exhibit a significant increase in the expression of markers of bone formation, a decrease in the expression of markers of bone resorption and, an increase in the bone mass. [provided by RefSeq, Nov 2015]

Product images:



Circular map for MR226309