

Product datasheet for **MG226309**

Gip (NM_008119) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gip (NM_008119) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Gip
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG226309 representing NM_008119
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGTGGCTTTGAAGACCTGCTCTCTGTTGCTGGTCTCCTGTTCTGGCTGTCGGGCTGGGAGAAAAAG
AAGAGGTTGAGTCCGATCCCATGCTAAATTTGCTGGCCCTCGACCTCGAGGTCCAAGGTACGCAGAGGG
GACTTTTCATCAGTGATTACAGCATCGCCATGGACAAGATCCGACAACAAGACTTCGTGAAGTGGCTGCTG
GCACAGAGGGGAAGAAGAGTGACTGGAACACAACATCACCCAGAGAGAGGCCCGGGCTTTGGTGCTGG
CAGGGCAATCTCAGGGAAAGGAGGACAAAGAGGCACAGGGGAGCTCGTTGCCAAGAGCCTCAGTGATGA
TGATGTGCTGAGAGACCTTCTGATTCAAGAGCTACTGGCCTGGATGGTGGACCAACAGAGCTCTGCCGA
CTCAGGTCTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG226309 representing NM_008119
Red=Cloning site Green=Tags(s)

MVALKTCSTLLVLLFLAVGLGEKEEVEFRSHAKFAGPRPRGPRYAEGTFISDYSIAMDKIRQQDFVNWLL
AQRGKKSQDWNHITQREARALVLAGQSQKEDKEAQGSSLPKSLSDDDVLRDLLIQELLAWMVDQTELCR
LRSQ

TRTRPLE - GFP Tag - V

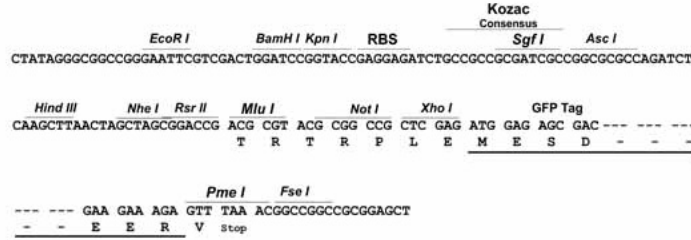
Restriction Sites: Sgfl-MluI



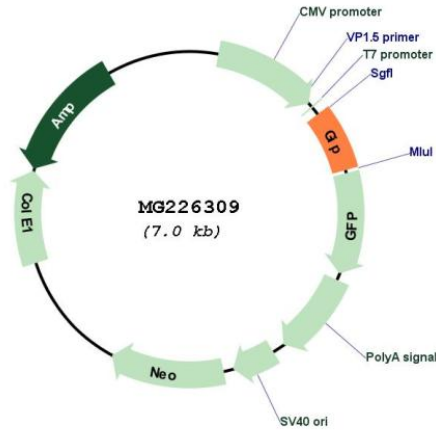
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Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_008119

ORF Size: 432 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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:	<p>NM_008119.2, NP_032145.2</p>
RefSeq Size:	<p>649 bp</p>
RefSeq ORF:	<p>435 bp</p>
Locus ID:	<p>14607</p>
UniProt ID:	<p>P48756</p>
Cytogenetics:	<p>11 D</p>
Gene Summary:	<p>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]</p>