

Product datasheet for **RG210222**

Gastrin (GAST) (NM_000805) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gastrin (GAST) (NM_000805) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: Gastrin
Synonyms: GAS
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210222 representing NM_000805
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCGACTATGTGTGTATGTGCTGATCTTTGCACTGGCTCTGGCCGCTTCTCTGAAGCTTCTTGG
AGCCCCGCTCCCAGCAGCCAGATGCACCCTTAGGTACAGGGGCCAACAGGGACCTGGAGCTACCCTGGCT
GGAGCAGCAGGGCCAGCCTCTCATCATCGAAGGCAGCTGGGACCCAGGGTCCCCACACCTCGTGGCA
GACCCGTCCAAGAAGCAGGGACCATGGCTGGAGGAAGAAGAAGCCTATGGATGGATGGACTTCGGCC
GCCGCAGTGCTGAGGATGAGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210222 representing NM_000805
Red=Cloning site Green=Tags(s)
MQRLCVYVLI FALALAAFSEASWKPRSQPDAPLGTGANRDLELPWLEQQGPASHHRRQLGPQPPHLVA
DPSKKQGPWLEEEEEAYGWMDFGRRSAEDEN

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_000805

ORF Size: 303 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:

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.

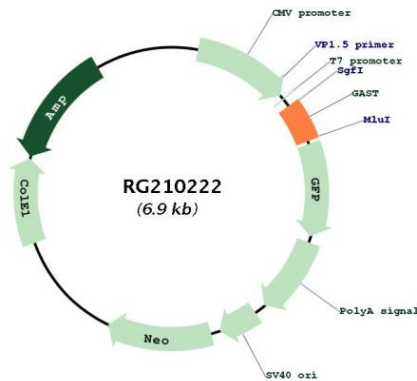
RefSeq: [NM_000805.4](#)

RefSeq Size: 440 bp

RefSeq ORF: 306 bp

Locus ID: 2520
UniProt ID: [P01350](#)
Cytogenetics: 17q21.2
Protein Families: Druggable Genome, Secreted Protein
Gene Summary: Gastrin is a hormone whose main function is to stimulate secretion of hydrochloric acid by the gastric mucosa, which results in gastrin formation inhibition. This hormone also acts as a mitogenic factor for gastrointestinal epithelial cells. Gastrin has two biologically active peptide forms, G34 and G17. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG210222