

Product datasheet for **SC303436**

GIP (NM_004123) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GIP (NM_004123) Human Untagged Clone
Tag:	Tag Free
Symbol:	GIP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_004123 edited AGGCTCAGAAGGTCCAGAAATCAGGGGAAGGAGACCCCTATCTGCCTTCTTCTGGAAGA GCTGGAAGGAAGTCTGCTCAGGAAATAACCTTGAAGATGGTGGCCACGAAGACCTTTG CTCTGCTGCTGCTGCCCTGTTCCCTGGCAGTGGGACTAGGAGAGAAGAAAGAGGGTCACT TCAGCGCTCTCCCTCCCTGCCTGTTGGATCTCATGCTAAGGTGAGCAGCCCTCAACCTC GAGGCCCAAGGTACGCGGAAGGGACTTTTCATCAGTGACTACAGTATTGCCATGGACAAGA TTCACCAACAAGACTTTGTGAAGTGGCTGCTGGCCAAAAGGGGAAGAAGAAATGACTGGA AACACAACATCACCCAGAGGGAGGCTCGGGCGCTGGAGCTGGCCGGTCAAGCTAATAGGA AGGAGGAGGAGGCAGTGGAGCCACAGAGCTCCCCAGCCAAGAACCCAGCGATGAAGATT TGCTGCGGGACTTGCTGATTCAAGAGCTGTTGGCCTGCTTGCTGGATCAGACAAACCTCT GCAGGCTCAGGTCTCGGTGACTCTGACCACCCAGCTCAGGACTGGATTCTGCCCTTCA CTTAGCACCCTGCCTCAGCCCCACTCCAGAATAGCCAAGAGAACCCAAACCAATAAAGTTT ATGCTAAGTCGAGCCATTGTGAAAATTTATTAATGACTACTGAGCACT
Restriction Sites:	Please inquire
ACCN:	NM_004123
Insert Size:	700 bp
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 ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_004123.2.
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).



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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_004123.2, NP_004114.1</u>
RefSeq Size:	711 bp
RefSeq ORF:	462 bp
Locus ID:	2695
UniProt ID:	<u>P09681</u>
Cytogenetics:	17q21.32
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	This gene encodes an incretin hormone and belongs to the glucagon superfamily. The encoded protein is important in maintaining glucose homeostasis as it is a potent stimulator of insulin secretion from pancreatic beta-cells following food ingestion and nutrient absorption. This gene stimulates insulin secretion via its G protein-coupled receptor activation of adenylyl cyclase and other signal transduction pathways. It is a relatively poor inhibitor of gastric acid secretion. [provided by RefSeq, Jul 2008]