

## Product datasheet for **AR31124PU-N**

### Gastric inhibitory polypeptide Human Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Gastric inhibitory polypeptide human protein, 0.5 mg   |
| Species:                              | Human  |
| Expression cDNA Clone or AA Sequence: | YAEGTFISDY SIAMDKIHQQ DFNWLLAQK GKKNDWKHNI TQ-OH (1-letter code).<br>Tyr-Ala-Glu-Gly-Thr-Phe-Ile-Ser-Asp-Tyr-Ser-Ile-Ala-Met-Asp-Lys-Ile-His-Gln-Gln-Asp-Phe-Val-Asn-Trp-Leu-Leu-Ala-Gln-Lys-Gly-Lys-Lys-Asn-Asp-Trp-Lys-His-Asn-Ile-Thr-Gln-OH (3-letter code).   |
| Predicted MW:                         | 4983.57 Da   |
| Purity:                               | >95% by HPLC   |
| Buffer:                               | State: Lyophilized purified peptide  |
| Preparation:                          | Lyophilized purified peptide   |
| Protein Description:                  | Human Gastric Inhibitory Peptide.<br><b>Formula:</b> C <sub>226</sub> H <sub>338</sub> N <sub>60</sub> O <sub>66</sub> S   |
| Storage:                              | Upon receipt, store undiluted (in aliquots) at -20°C.<br>Avoid repeated freezing and thawing.  |
| Stability:                            | Shelf life: One year from despatch.  |
| RefSeq:                               | <a href="#">NP_004114</a>  |
| Locus ID:                             | 2695   |
| UniProt ID:                           | <a href="#">P09681</a>   |
| Cytogenetics:                         | 17q21.32   |
| 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] |
| Protein Families:                     | Druggable Genome, Secreted Protein   |



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