

## GIP, rat

<b>Cat. No.:</b>	HY-P5390
<b>Molecular Formula:</b>	C <sub>226</sub> H <sub>343</sub> N <sub>61</sub> O <sub>66</sub> S
<b>Molecular Weight:</b>	5002.58
<b>Sequence:</b>	Tyr-Ala-Glu-Gly-Thr-Phe-Ile-Ser-Asp-Tyr-Ser-Ile-Ala-Met-Asp-Lys-Ile-Arg-Gln-Gln-Asp-Phe-Val-Asn-Trp-Leu-Leu-Ala-Gln-Lys-Gly-Lys-Lys-Asn-Asp-Trp-Lys-His-Asn-Leu-Thr-Gln
<b>Sequence Shortening:</b>	YAEGTFISDYSIAMDKIRQQDFVNWLLAQKGKKNDWKHNLQ
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

## BIOLOGICAL ACTIVITY

### Description

GIP, rat is a biological active peptide. (GIP (Glucose-dependent Insulinotropic Polypeptide or also known as Gastric Inhibitory Polypeptide) is a 42-amino acid peptide released by the K cells of the duodenum and jejunum in response to food intake. GIP, together with GLP (Gastric-like Peptide) are members of the hormone peptide family of Incretins which stimulate insulin secretion from pancreatic islet  $\beta$ -cells, and also appears to promote beta cell proliferation and beta cell survival. Recent studies suggest that GIP plays a role in lipid homeostasis and possibly in the pathogenesis of obesity.)

**Caution: Product has not been fully validated for medical applications. For research use only.**

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