

Product Data Sheet

**Cat#**            **GIP75-P**

**Description:**    Gastric Inhibitory Peptide (GIP), Human Gastric Inhibitory Peptide (GIP), Human, 42-aa (GIP1-42)

**Sequence:**      H-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; MW: 4983.64

**Size:**            0.5 mg

**Purity:**          >95%

**Store:**           Desiccated at -20oC.

*All peptides are for in vitro research use only.*

**Glucagon** is a member of a multigene family comprising of Secretin, Vasoactive Intestinal Peptide (VIP), Gastric Inhibitory Peptide (GIP) and others like Glicentin and Oxyntomodulin (OXM), which differs from glucagon by C-terminal octapeptide. The glucagon precursor contains at least 3 intervening sequences that divide the protein-coding portion into 4 regions corresponding to the signal peptide and part of the N-terminal peptide, the remainder of the N-terminal peptide and glucagon, glucagon-like peptide-1 (GLP1), and GLP2

**GIP**, Gastric inhibitory polypeptide, also known as glucose-dependent insulinotropic polypeptide (GIP), is a 42-amino acid hormone (chr 17q21.3) that stimulates insulin secretion in the presence of glucose. GIP is derived by proteolytic processing of a 153-residue precursor, preproGIP; it is a member of a family of structurally related hormones that includes secretin, glucagon, vasoactive intestinal peptide, and growth hormone-releasing factor.

Please consult "Frequently asked questions" section at our website for Guidance on storage and solubility of the peptides.  
[http://www.4adi.com/commerce/info/showpage.jsp?page\\_id=1088&category\\_id=2427](http://www.4adi.com/commerce/info/showpage.jsp?page_id=1088&category_id=2427)

**Related Items**

Catalog#	ProdDescription
GIP71-A	Anti-human Gastric inhibitory peptide (GIP) IgG #1, aff pure
GIP71-P	Human Gastric inhibitory peptide (GIP) Control/blocking peptide #1
GIP75-P	Human Gastric inhibitory peptide (GIP) full length peptide (42 aa)
SP-55416-1	Gastric Inhibitory Peptide (GIP), Human [H-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; MW: 4983.64]
SP-88136-1	GIP (1 - 30), porcine, amide (AA: 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-NH2) (MW: 3551.07)
SP-88137-1	GIP (3 - 42), human (AA: 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) (MW: 4749.38)
SP-88138-1	GIP, mouse, rat (AA: 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-Ile-Thr-Gln) (MW: 5002.69)
SP-88139-1	GIP, porcine (AA: 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-Ser-Asp-Trp-Lys-His-Asn-Ile-Thr-Gln) (MW: 4975.66)
<b>GIP75-P</b>	<b>rev 110603A</b>

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