



LKT Laboratories, Inc.

Gastrin Releasing Peptide, human

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Product Information

Product ID G0181

CAS No. 93755-85-2

Chemical Name

Synonym GRP

Formula $C_{130}H_{204}N_{38}O_{31}S_2$

Formula Wt. 2859.40

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water (1 mg/mL),
DMSO.

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description Gastrin-releasing peptide (GRP) is an endogenous bombesin-like peptide that stimulates the release of gastrin by binding GRP receptors; it is involved in feeding behavior (acting as an anorexigenic), circadian rhythms, and stress signaling. GRP induces scratching behavior in vivo and exhibits pro-angiogenic activity in cancer models, inducing expression of IL-8 in a hepatocyte growth factor-dependent manner in gastric cancer cells.

Val-Pro-Leu-Pro-Ala-Gly-Gly-Gly-Thr-Val-Leu-Thr-Lys-Met-Tyr-Pro-Arg-Gly-Asn-His-Trp-Ala-Val-Gly-His-Leu-Met-NH₂

Bulk quantities available upon request

Product ID	Size
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G0181	1 mg
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G0181	2.5 mg
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G0181	5 mg
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References Kallungal GJ, Mintz EM. Site-specific effects of gastrin-releasing peptide in the suprachiasmatic nucleus. *Eur J Neurosci*. 2014 Feb;39(4):630-9. PMID: 24528136.

Lee KH, Koh SA, Kim JR. Hepatocyte growth factor-mediated gastrin-releasing peptide induces IL-8 expression through Ets-1 in gastric cancer cells. *Oncol Res*. 2013;20(9):393-402. PMID: 23924923.

Sukhtankar DD, Ko MC. Physiological function of gastrin-releasing peptide and neuromedin B receptors in regulating itch scratching behavior in the spinal cord of mice. *PLoS One*. 2013 Jun 24;8(6):e67422. PMID: 23826298.

Merali Z, McIntosh J, Anisman H. Role of bombesin-related peptides in the control of food intake. *Neuropeptides*. 1999 Oct;33(5):376-86. PMID: 10657515.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.