

Human Gastrin I

Catalog Number: 031-GAS



OrganRegen, INC.

Creating Solutions for Organoid Cultures

DESCRIPTION

Background: Human Gastrin I, is the endogenous peptide produced in the stomach, and increases gastric acid secretion via cholecystokinin 2 (CCK2) receptor.

Molecular Weight: 2098.20

Formula: C₉₇H₁₂₄N₂₀O₃₁S

CAS : 10047-33-3

Construction:

Sequence: {pGlu}-Gly-Pro-Trp-Leu-Glu-Glu-Glu-Glu-Glu-Ala-Tyr-Gly-Trp-Met-Asp-Phe-NH₂

SPECIFICATIONS

Purity:

≥ 95%, HPLC.

FORMULATION AND STORAGE

Formulation:

The product is Lyophilized from a 0.22 µm filtered solution in PBS.

Shipping:

The product is shipped on ice. Upon receipt, store it immediately as methods recommended below.

Reconstitution:

Reconstitute in sterile PBS buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL.

Stability & Storage:

24 months, -20 to -70 °C, under powder state;

12 months, -20 to -70 °C, under sterile conditions after reconstitution;

2 month, 2 to 8 °C under sterile conditions after reconstitution;

avoid repeated freeze-thaw cycles.

References:

1. Noble F, et al. International Union of Pharmacology. XXI. Structure, distribution, and functions of cholecystokinin receptors. *Pharmacol Rev.* 1999 Dec;51(4):745-81.
2. Blandizzi C, et al. CCK1 and CCK2 receptors regulate gastric pepsinogen secretion. *Eur J Pharmacol.* 1999 May 28;373(1):71-84.