Rev03
Update: Feb,10,2022

DATASHEET

Gastrin-Releasing Peptide, human

Cat. No.: RP10791

Overview

Description	Gastrin-releasing peptide (GRP) is released by the post-ganglionic fibres of the vagus nerve, which innervate the G cells of the stomach and stimulate them to release gastrin. GRP can directly stimulate pepsinogen release from chief cells by a specific GRP receptor that mobilizes intracellular calcium. Gastrin-releasing peptide has a prominent role as a tumor marker in the diagnosis of small-cell lung carcinoma.
Cas No	93755-85-2
Sequence	{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}-NH_2
Sequence Shortening	VPLPAGGGTVLTKMYPRGNHWAVGHLM-NH_2
Molecular Formula	$C_{130}H_{204}N_{38}O_{31}S_2$
C Terminal	NH_2
Molecular Weight	2859.3

Properties

Purity	> 95%
Solubility	The peptide is soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weigh out a smaller portion of the contents.
Form	Lyophilized
Storage	Store the peptide at -20°C. Keep container tightly closed.

GenScript USA, Inc.
860 Centennial Ave. Piscataway, NJ 08854
Tel: 1-732-885-9188