



Product Specification Sheet

Cat. BOM11-P

Human Bombesin 1-14 aa full length peptide

SIZE: 1 mg

Bombesin is a 14 amino acid peptide originally isolated from the skin of a frog. It has two known homologs in mammals called neuromedin B and gastrin releasing peptide. It works on the gastrointestinal tract neuroendocrine hormone and it stimulates gastrin release from G cells. It activates three different G-protein coupled receptors known as BBR1 2 & 3. It also activates these receptors in the brain. Together with cholecystokinin it is the second major source of negative feedback signals that stop eating behaviour. Bombesin is also a tumor marker for gastric cancer and neuroblastoma.

Source of Pptide

Sequence	Glp-Gln-Arg-Leu-Gly-Asn-Gln-Trp-Ala-Val-Gly-His-Leu-Met-NH ₂
MW	1619.9
CAS	[31362-50-2]
Formula	C ₇₁ H ₁₁₀ N ₂₄ O ₁₈ S ₁
Disulfide Bridge	

References A. Anastasi et al., *Experientia*, 27, 166 (1971)

Form & Storage of Antibodies/Peptide Control

Storage

Short-term: unopened, undiluted liquid vials at -20°C and powder at 4°C or -20°C..

Long-term: at -20°C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

Stability: 6-12 months at -20°C or below.

Shipping: 4°C for solutions and room temp for powder

General References: (1) Martin MM et al (1995) *BBRC* 209, 554-562; Chassagne C et al (1995) *Genomics* 25, 601-603; Koike G et al (1994) *BBRC* 203, 1842-50; Tsuzuki S et al (1994) *BBRC* 200, 1449-54; Martin MM et al (1994) *BBRC* 205, 645-651; Lazard D et al (1994) *Receptor Channels* 2, 271-280.

*This product is for in vitro research use only.

Related Items

Angiotensin I, II, and III and antibodies

Antibodies to angiotensin receptors type I and II

BOM11-P

80602A