

Recombinant Porcine Oxyntomodulin

Catalog No.	CRO107A	Quantity:	10 µg
	CRO107B		50 µg
	CRO107C		1.0 mg

Description: Porcine Oxyntomodulin is a 37 amino acid peptide which contains the glucagon sequence extended by a C-terminal basic octapeptide. Its primary structure is identical in all mammals except in pig and cattle. Oxyntomodulin is released from the gut during digestion, together with glicentin another octapeptide containing molecule. It is considered as a putative physiological regulator of gastric acid secretion and inhibits histamine.

Recombinant Porcine Oxyntomodulin is a single, non-glycosylated polypeptide chain containing all 37 amino acids.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Source: *E. coli*

Molecular Mass: 4420.86 Dalton

Formulation: Lyophilized from a concentrated (1 mg/ml) solution in water containing no additives.

Purity: > 99.0% as determined by RP-HPLC and SDS-PAGE analyses.

Purification: The OXM is purified by proprietary chromatographic techniques.

Amino Acid Sequence: His-Ser-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Ser-Arg-Arg-Ala-Gln-Asp-Phe-Val-Gln-Trp-Leu-Met-Asn-Thr-Lys-Arg-Asn-Lys-Asn-Asn-Ile-Ala.

Reconstitution: Reconstitute the lyophilized Oxyntomodulin in 20 mM acetic acid.

Storage & Stability: Lyophilized Oxyntomodulin should be stored desiccated below -20°C. Upon reconstitution, OXM may be stored at 2-4°C for 1 week. For long term storage, divide into aliquots and freeze at -20 to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Avoid repeated freeze-thaw cycles.**

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