Recombinant Porcine OXM

Cat. No. OXM-96P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Oxyntomodulin Porcine Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 37 amino acids and having a molecular mass of 4420.86 Dalton. The OXM is purified by proprietary chromatographic techniques.
Species	Pig
Source	E.coli
ProteinLength	37 a.a.
Description	OXM 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. OXM 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, it inhibits histamine.
Form	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized from a concentrated (1 mg/ml) solution in water containing no additives.
Molecular Mass	4420.86 Dalton
AA 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.
Purity	Greater than 99.0% as determined by RP-HPLC and SDS-PAGE.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Lyophilized Oxyntomodulin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution OXM should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Reconstitution	It is recommended to reconstitute the lyophilized Oxyntomodulin in 20mM acetic acid.

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