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## Product Data Sheet

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Product Name: OXM Porcine  
 Cat. No.: GP21285  
 Batch No.: 1

### Product Data

|                     |                                                                                                                                                      |                    |                       |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------|
| Purity              | >98%                                                                                                                                                 | Source             | Escherichia Coli.     |
| Physical Appearance | solid                                                                                                                                                | Shipping Condition | Shipped at Room temp. |
| 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. |                    |                       |
| Solubility          | It is recommended to reconstitute the lyophilized Oxyntomodulin in 20mM acetic acid.                                                                 |                    |                       |
| Formulation         | Lyophilized from a concentrated (1mg/ml) solution in water containing no additives.                                                                  |                    |                       |

### Introduction

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.

### 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.

### Background

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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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