

Product Data Sheet

□ Cat # RP-605

Recombinant Human Oxyntomodulin

Size: □ 10 ug

□ 50 ug

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.

Description:

Oxyntomodulin Human 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.

Source:

Escherichia Coli.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

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

Solubility:

It is recommended to reconstitute the lyophilized Oxyntomodulin in 20mM acetic acid.

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.

Purity:

Greater than 90.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

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.

Usage:

This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage..Rev.

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