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Exenatide

Catalog No.	CSI14036A CSI14036B CSI14036C	**Quantity:**	1.0 mg 10 mg 50 mg

Alternate Names: Exendin-4

Description: Exenatide belongs to a class of molecules called incretin mimetics. Originally derived from the saliva of the gila monster, is a 39 amino acid synthetic peptide that mimics the GLP-1 incretin, an insulin secretagogue with glucoregulatory effects. Typical responses to exenatide include improvements in the initial rapid release of endogenous insulin, suppression of glucagon release by the pancreas, regulation of gastric empyting, and reduced appetite - all of which function to lower blood glucose. Exenatide is self-regulating in that it lowers blood sugar when levels are elevated but does not continue to lower blood sugar when levels return to normal, unlike with sulfonylureas or insulin.

UniProt ID: P26349

Molecular Weight: 4186.7 (39 aa)

Formulation: Lyophilized without additives.

Purity: > 99.0% by SDS PAGE and RP-HPLC

Amino Acid Sequence: H-His-Gly-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Leu-Ser-Lys-Gln-Met-Glu-Glu-Glu-Ala-Val-Arg-Leu-Phe-Ile-Glu-Trp-Leu-Lys-Asn-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH2

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water at a concentration of 0.1 to 1.0 mg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.

Storage & Stability: Upon receipt, store at -20°C to -80°C for up to 1 year. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, prepare aliquots with a carrier protein and store at -20°C to -80°C.
Avoid repeated freeze/thaw cycles.

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