9051 Mira Mesa Blvd, #910094
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Exendin 4

Exendin-4 Recombinant
HRM0029

Product Overview

Name	Exendin 4
Description	
Exendin-4 Recombinant	
Accession (Primary)	P26349
Introduction	

Exedin-4 Recombinant is a like peptide-1 receptor agonist. The native hormone is produced in the gut of Gila monster Heloderma suspectrum (a type of reptile found in the desert) that stimulates production without causing threateningly low blood sugar, which can occur after using some anti-diabetes products. Recently, researchers used extracted saliva from gila monsters to create an unprecedented breakthrough in Diabetes Type 2 treatment. Unlike other products taken for type 2 diabetes, Exedin-4 has not been linked with weight gain and actually resulted in weight loss, according to the researchers. Exedin-4 enhances glucose-dependant secretion, suppresses inappropriately elevated secretion and slows gastric emptying in vivo. It also promotes B-cell proliferation and neogenesis in vitro and in animal models. Exedin-4 stimulates an increase in acinar cAMP, without stimulating the release of amylase.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.

Stability

Lyophilized Exendin Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Exendin-4 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 96.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

HGEGTFTSDL SKQMEEEAVR LFIEWLKNGG PSSGAPPPS.

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Biological Activity

1. Regulates Glucose levels rapidly 2. Reduces Insulin resistance 3. Reduces Glucagon 4. Stimulates beta cell growth production.

Solubility

It is recommended to reconstitute the lyophilized Exendin Recombinant in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Exendin 4 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P26349)