



[Go to Product page](#)

Datasheet for ABIN987837

Exendin 4 Protein

Overview

Quantity:	100 µg
Target:	Exendin 4
Origin:	Gila monster
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	HGEGTFTSDL SKQMEEEEAVR LFIEWLKNGG PSSGAPPP
Characteristics:	1. Regulates Glucose levels rapidly 2. Reduces Insulin resistance 3. Reduces Glucagon 4. Reduces HbA1c 5. Stimulates beta cell growth which stimulates insulin production.
Purity:	> 96 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 10EU/mg of rExendin-4 as determined by LAL method

Target Details

Target:	Exendin 4
Alternative Name:	Exendin-4 (Exendin 4 Products)
Background:	Exendin-4 is a novel 39-amino acid peptide isolated from the venom of the Gila monster Heloderma suspectum. It shares 53% sequence homology with GLP-17-36amide and interacts with the same membrane receptor. Exendin-4 enhances glucose-dependent insulin secretion, suppresses inappropriately elevated glucagon secretion, and slows gastric emptying in vivo. It

Target Details

also promotes \tilde{A} -cell proliferation and neogenesis in vitro and in animal models. Recombinant Exendin-4 is E. coli expression of a synthetic DNA sequence encoding the 39 amino acid of Exendin-4. Synonym: Exendin-4. Formulation: Lyophilized from a 0.2um filtered solution of 20mM PBS, pH 7.0, containing 4% mannitol.

Molecular Weight: Approximately 4.2 kDa, a single non-glycosylated polypeptide chain containing 39 amino acids.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 °C. Further dilutions should be made in appropriate buffered solutions.

Storage: 4 °C