



Human Exendin-4

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
20 µg	2250.950.020		
100 µg	2250.950.100		
1 mg	2250.950.199		

Please enquire for bulk quantities and other vial sizes.

Description

Exendin-4 Recombinant is a novel 39-amino acids peptide having a molecular mass of 4186.7 Dalton, which shares 53 %, sequence homology with GLP-17-36 amide and interacts with the same membrane receptor.

- **Source** *E. coli*
- **Purity** ≥ 95 % (SDS-PAGE, RP-HPLC)
- **Endotoxin Level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** The Exendin-4 peptide was lyophilized after extensive dialyses against 20mM PBS and contains 4 % mannitol*
- **Physical State** Sterile filtered, lyophilized

Biological Activity

1. Regulates Glucose levels rapidly. 2. Reduces GLCN. 3. Reduces HbA1c. 4. Stimulates beta cell growth production.

Reconstitution

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

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, order number: 2835.955.xyz or 2835.958.xyz, or BSA, order number: 2835.919.xyz). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

The sequence determined and was found to be 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.

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.