

Exendin 4 Recombinant Protein



RPPB1273

Product Information Protein Information

Product SKU:

RPPB1273

Accession:

P26349

Host:

Escherichia Coli.

Protein 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. The Exendin-4 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

The Exendin-4 peptide was lyophilized after extensive dialyses against 20mM PBS and contains 4% mannitol.

Purity:

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

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.

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.

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.

Biological Activity:

1. Regulates Glucose levels rapidly2. Reduces GLCN.3. Reduces HbA1c4. Stimulates beta cell growth production.