

Salamander Leptin Recombinant Protein



RPPB0715

Product Information Protein Information

Product SKU:

RPPB0715

Host:

Escherichia Coli.

Protein description:

Leptin Salamander Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 146 amino and additional Ala at N-terminus acids and having a molecular mass of 16kDa. The Salamander Leptin is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

OB Protein, Obesity Protein, OBS, Obesity factor, Leptin.

Formulation:

The Salamander Leptin was lyophilized from a concentrated (1 mg/ml) solution with 0.0045mM NaHCO₃.

Purity:

Greater than 99.0% as determined by: (a) Analysis by Gel-Filtration. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Salamander Leptin in sterile 0.4% NaHCO₃ pH-9 not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Salamander Leptin although stable at room temperature for 3 weeks, should be stored desiccated below -18° C. Upon reconstitution Leptin 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 of the ten N-terminal amino acids was determined and was found to be Ala-Ile-Met-Val-Asp-Gln-Leu-Arg-Met-Asp.

Biological Activity:

By inducing proliferation of BAF/3 cells stably transfected with the long form of human leptin receptor. Its activity in that test is similar to that of mouse leptin (see Salomon et al (2006) Protein Expression and Purification 47, 128–136).