9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-1562: sLeptin Recombinant Protein

Alternative Name : OB Protein,Obesity Protein,OBS,Obesity factor,Leptin.

Description

Source : Escherichia Coli. 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. A 16-kDa peptide hormone secreted from white adipocytes and implicated in the regulation of food intake and energy balance. Leptin provides the key afferent signal from fat cells in the feedback system that controls body fat stores.

Product Info

Amount :	200 µg
Purification :	Greater than 99.0% as determined by: (a) Analysis by Gel-Filtration. (b) Analysis by SDS-PAGE.
Content :	The Salamander Leptin was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO3.
Storage condition :	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 :	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.

Application Note

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. 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 .

For Research Use Only. Not for use in diagnostic/therapeutics procedures.