

Human Leptin Recombinant Protein



RPPB0704

Product Information Protein Information

Product SKU:

RPPB0704

Accession:

P41159

Host:

Escherichia Coli.

Protein description:

Leptin N82K Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 146 amino acids (and additional Ala at N-terminus acids) and having a molecular mass of 16kDa. The Leptin N82K is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

OB Protein, Obesity Protein, OBS, Obesity factor.

Formulation:

Lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO₃.

Purity:

Greater than 98.0% as determined by:(a) Gel filtration analysis.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized leptin N82K in sterile water or 0.4% NaHCO₃ adjusted to pH 8-9, not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized leptin N82K although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution leptin N82K 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 first five N-terminal amino acids was determined and was found to be Ala-Val-Pro-Ile-Gln.

Biological Activity:

Biological Activity is < than 0.1% as determined by inducing proliferation of BAF/3 cells stably transfected with the long form of human leptin receptor.