Rat Leptin

Synonyms: OB Protein, Obesity Protein, OBS, Obesity factor.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
200 µg	1650.970.200		
1 mg	1650.970.199		
5 mg	1650.970.599		

Please enquire for bulk quantities and other vial sizes.

Description

Leptin Rat Recombinant produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 147 amino acids and having a molecular mass of 16 kDa.

- **Source** *E. coli*
- **Purity** ≥ 95 % (SDS-PAGE, SEC-HPLC)
- **Endotoxin Level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** The protein was lyophilized from a concentrated (1 mg/ml) solution with 0.0045mM $NaHCO_3$*
- **Physical State** Sterile filtered, lyophilized

Biological Activity

Biological activity of Leptin Rat is evidenced by inducing proliferation of BAF/3 cells stably transfected with the long form of human leptin receptor.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

Stability

Lyophilized 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, 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 of the first five N-terminal amino acids was determined and was found to be Ala-Val-Pro-Ile-His.

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.

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