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Leptin Mouse, PEG

Pegylated Mouse Leptin Recombinant
GRF0208

Product Overview

Name	Leptin Mouse, PEG
Description	
Pegylated Mouse Leptin Recombinant	
Accession (Primary)	P41160
Synonyms	
OB Protein, Obesity Protein, OBS, Obesity factor.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The mouse Leptin was lyophilized from a concentrated (0.65mg/ml) solution containing 0.003mM NaHCO3.	
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 or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 99.0% as determined by: (a) Analysis by Gel-Filtration. (b) Analysis by SDS-PAGE.	
Biological Activity	
Pegylated mouse Leptin is capable of stimulatng proliferation of BAF/3 cells stably transfected with the long form of human leptin receptor. Pegylated mouse Leptin in vitro activity is only slightly lower than the non-pegylated antagonist but in vivo it has profound weight reducing effect (as compared to the non-pegylated leptin), resulting mainly from reduced food intake.	
Solubility	
It is recommended to reconstitute the lyophilized Leptin in sterile 0.4% NaHCO3 adjusted to pH-8.5 not less than 100	

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µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Leptin Mouse, PEG is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P41160)