

Leptin Antagonist Triple Mutant Human Recombinant, Pegylated

Item Number	rAP-2361
Synonyms	
Description	Pegylated Leptin Antagonist Triple Mutant Human Recombinant is a single non-glycosylated polypeptide chain containing 146 amino and additional Ala at N-terminus acids and having a molecular weight of 35.6kDa, Leptin was mutated, resulting in L39A/D40A/F41A. However due to enlarged hydrodynamic vol-
Uniprot Accession Number	
Amino Acid Sequence	
Source	Escherichia coli.
Physical Appearance and Stability	White lyophilized (freeze-dried) powder. Lyophilized PEG-SHLA although stable at room temperature for several weeks, should be stored desiccated below -20C. Upon reconstitution at > 0.1 mg/ml and up to 2 mg/ml of PEG-SHLA and filter sterilization mLEP mutant can be stored at 4C or even room temperature for several weeks making it suitable for long term infusion studies using osmotic pumps. At lower concentration
Formulation and Purity	The protein was lyophilized from a concentrated (0.65mg/ml) solution with 0.003mM NaHCO ₃ . Greater than 98.0% as determined by: (a) Gel filtration analysis. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Leptin Antagonist Triple Mutant pegylated Human Recombinant in sterile 0.4% NaHCO ₃ adjusted to pH 8-9, not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Capable of inhibiting leptin-induced proliferation of BAF/3 cells stably transfected with the long form of human leptin receptor. Its in vitro activity is 6-8 fold lower than the non-pegylated antagonist but in vivo it has profound weight gain effect (as
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**