

Leptin Antagonist Triple Mutant Ovine Recombinant

Item Number	rAP-2345
Synonyms	
Description	Leptin Antagonist Triple Mutant Ovine Recombinant is a single non-glycosylated polypeptide chain containing 146 amino and additional Ala at N-terminus acids and having a molecular mass of ~ 16 kDa, Leptin was mutated, resulting in L39A/D40A/F41A mutant. Leptin Antagonist Triple Mutant Ovine Recombinant was
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Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Val-Pro-Ile-Arg.
Source	Escherichia coli.
Physical Appearance and Stability	White lyophilized (freeze-dried) powder. Lyophilized Leptin Antagonist Triple Mutant Ovine Recombinant although stable at room temperature for several weeks, should be stored desiccated below -18°C. Upon reconstitution at > 0.1 Lep-tA mutant mg/ml and up to 2 mM and filter sterilization Leptin mutant can be stored at 4°C or even room temperature for several weeks making it suitable for long term infusion studies
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 Ovine Recombinant in sterile water or sterile 0.4% NaHCO ₃ adjusted to pH 8, not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	ProSpec's Leptin-Antagonist Triple Mutant Ovine Recombinant is capable of inhibiting leptin-induced proliferation of BAF/3 cells stably transfected with the long form of mouse leptin receptor. It also inhibits various leptin effects in several in vitro bi
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**