ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

Leptin Antagonist Quadruple Mutant Ovine Recombinant

Item Number	rAP-2346
Synonyms	
Description	Leptin Antagonist Quadruple Mutant Ovine Recombinant is a single non-glycosilated 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/I42A mutant.Leptin Antagonist Quadruple Mutant Ovine
Uniprot Accesion Number	
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 Quadruple Mutant Ovine Recombinant although stable at room temperature for several weeks, should be stored desiccated below -18°C. Upon reconstitution at > 0.1 LEP-qA mutant mg/ml and up to 2mg/ml 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
Formulation and Purity	The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO3. 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 Quadruple Mutant Ovine Recombinant in sterile 0.4% NaHCO3 adjusted to pH 8-9, not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	ProSpec's leptin qA is capable of inhibiting leptin-induced proliferation of BAF/3 cells stably transfected with the long form of ovine leptin receptor. It also inhibits various leptin effects in several in vitro bioassays.
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