

Sheep Leptin Triple Antagonist - Purified

Catalog No.:	PA1121
Quantity:	20 µg
Species:	Sheep
Source:	E. coli, Escherichia coli
Format:	State: Lyophilized purified protein Purity: >98% Greater than 98.0% as determined by: (a) Gel filtration analysis. (b) Analysis by SDS-PAGE. Buffer System: 0.003mM NaHCO ₃ Reconstitution: Restore 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.
Description:	Leptin Antagonist Triple Mutant Ovine Recombinant is a single non-glycosylated polypeptide chain containing 146 amino and additional Ala at N-terminus acids, Leptin was mutated, resulting in L39A/D40A/F41A mutant. Leptin Antagonist Triple Mutant Ovine Recombinant was purified by proprietary chromatographic techniques. AA Sequence: The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Val-Pro-Ile-Arg. Biological Activity: 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 bioassays. Molecular weight: 16 kDa ~ 16 kDa
Add. Information:	Protein quantitation was carried out by UV spectroscopy at 280 nm using the absorbency value of 0.21 as the extinction coefficient for a 0.1% (1mg/ml) solution at pH 8.0. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).
Storage:	Prior to reconstitution stable at RT for several weeks. Following reconstitution store (at > 0.1 Lep-tA mutant mg/ml and up to 2 mM and filter sterilization) the protein undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. At lower concentration addition of a carrier protein (0.1% HSA or BSA) is suggested. Shelf life: one year from despatch.