

## Sheep Leptin Quadruple Antagonist - Purified

<b>Catalog No.:</b>	PA1122XC
<b>Quantity:</b>	1 mg
<b>Species:</b>	Sheep
<b>Source:</b>	E. coli, Escherichia coli
<b>Format:</b>	<b>State:</b> Lyophilized purified protein <b>Purity:</b> >98% Greater than 98.0% as determined by: (a) Gel filtration analysis. (b) Analysis by SDS-PAGE. <b>Buffer System:</b> 0.0045mM NaHCO <sub>3</sub> <b>Reconstitution:</b> Restore in sterile 0.4% NaHCO <sub>3</sub> adjusted to pH 8-9, not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Description:</b>	Leptin Antagonist Quadruple 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/I42A mutant. Leptin Antagonist Quadruple Mutant Ovine Recombinant was purified by proprietary chromatographic techniques. <b>AA Sequence:</b> The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Val-Pro-Ile-Arg <b>Biological Activity:</b> 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. <b>Molecular weight:</b> 16 kDa ~ 16 kDa
<b>Add. Information:</b>	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).
<b>Storage:</b>	Prior to reconstitution stable at RT for several weeks. Following reconstitution store (at > 0.1 LEP-qA 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.