

## 32-1572: rLeptin tA Recombinant Protein

### Description

Source : Escherichia coli. Leptin Antagonist Triple Mutant Rat Recombinant is a singly 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 Rat Recombinant was purified by proprietary chromatographic techniques.

### Product Info

<b>Amount :</b>	50 µg
<b>Purification :</b>	Greater than 99.0% as determined by:(a) Gel filtration analysis.(b) Analysis by SDS-PAGE.
<b>Content :</b>	The protein was lyophilized from a concentrated (0.85mg/ml) solution with 0.003mM NaHCO <sub>3</sub> . Lyophilized Leptin-Antagonist Triple Mutant Rat Recombinant although stable at room temperature for several weeks, should be stored desiccated below -18°C. Upon reconstitution at > 0.1 Leptin mutant mg/ml and up to 2 mM and filter sterilization LEP-tA mutant can be stored at 4°C or even room temperature for several weeks making it suitable for long term infusion studies using osmotic pumps. At lower concentration addition of a carrier protein (0.1% HSA or BSA) is suggested. Please prevent freeze-thaw cycles.
<b>Storage condition :</b>	
<b>Amino Acid :</b>	The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Val-Pro-Ile-Gln.

### Application Note

It is recommended to reconstitute the lyophilized Leptin Antagonist Triple Mutant Rat Recombinant in sterile water or sterile 0.4% NaHCO<sub>3</sub> adjusted to pH 8-9, not less than 100 µg/ml, which can then be further diluted with other aqueous solutions. The Leptin Antagonist Triple Mutant Rat Recombinant is capable of inhibiting leptin-induced proliferation of BAF/3 cells stably transfected with the long form of human leptin receptor. It also inhibits various leptin effects in several in vitro bioassays.

