

Rat Leptin Triple Antagonist - Purified

Catalog No.:	AR10439PU-N
Quantity:	0.1 mg
Concentration:	0.85 mg/ml (prior to lyophil.)
Species:	Rat
Source:	E. coli
Format:	State: White lyophilized (freeze-dried) powder Purity: >99.0% as determined by Gel filtration and SDS-PAGE analysis Buffer System: Lyophilized from a concentrated (0.85 mg/ml) solution with 0.003M NaHCO ₃ Reconstitution: Restore in sterile water or sterile 0.4% NaHCO ₃ adjusted to pH 8-9, not less than 100 µg/ml, which can then be further diluted with other aqueous solutions.
Description:	<p>Recombinant Rat Leptin Antagonist Triple Mutant 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. Recombinant Rat Leptin Antagonist Triple Mutant was purified by proprietary chromatographic techniques.</p> <p>Protein content: Protein quantization was carried out by UV spectroscopy at 280 nm using the absorbency value of 0.21 as the extinction coefficient for a 0.1% (1 mg/ml) solution at pH 8.0. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).</p> <p>AA Sequence: The sequence of the first five N-terminal amino acids was determined and was found to be <i>Ala-Val-Pro-Ile-Gln</i>.</p> <p>Biological Activity: Recombinant Rat Leptin Antagonist Triple Mutant 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.</p>
Storage:	<p>Prior to reconstitution store at 2-8°C for one month or desiccated below -18°C. Following reconstitution (at 0.1 mg/ml and up to 2mM and filter sterilization) store undiluted at 2-8°C or even RT for one month making it suitable for long term infusion studies using osmotic pumps.</p> <p>At lower concentration addition of a carrier protein (0.1% HSA or BSA) is suggested. Avoid repeated freezing and thawing. Shelf life: one year from despatch.</p>