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AR10439PU-L OriGene FI

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Rat Leptin Triple Antagonist - Purified

Catalog No.:	AR10439PU-L
Quantity:	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 0.003mM NaHCO₃ Reconstitution: Restore in sterile water or sterile 0.4% NaHCO₃ adjusted to pH 8-9, not less than 100 µg/ml, which can then be further diluted with other aqueous scroolutions.
Description:	 Recombinant Rat Leptin Antagonist Triple Mutant is a singly 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 mutant. Recombinant Rat Leptin Antagonist Triple Mutant was purified by proprietary chromatographic techniques. 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). AA Sequence: The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Val-Pro-Ile-Gln. 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.
Storage:	 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. 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.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.



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Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com