

## Human Leptin Triple Antagonist - Purified

<b>Catalog No.:</b>	AR10236PU-L
<b>Quantity:</b>	1 mg
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> White lyophilized (freeze-dried) powder <b>Purity:</b> > 98.0% as determined by both Gel filtration and SDS-PAGE analysis <b>Buffer System:</b> Lyophilized from a concentrated (1 mg/ml) solution with 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 100 µg/ml, which can then be further diluted to other aqueous solutions.
<b>Description:</b>	Recombinant Human Leptin Antagonist Triple Mutant is a single non-glycosylated polypeptide chain containing 146 amino and additional <i>Ala</i> at N-terminus acids, Leptin was mutated, resulting in L39A/D40A/F41A. Recombinant Human Leptin Antagonist Triple Mutant 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 <i>Ala-Val-Pro-Ile-Gln</i> . <b>Biological Activity:</b> Leptin triple antagonist 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 <i>in vitro</i> bioassays. <b>Molecular weight:</b> 16 kDa
<b>Storage:</b>	Prior to reconstitution store at RT for one month or desiccated below -18°C. Upon reconstitution at > 0.1 mg/ml and up to 2 mM and filter sterilization Leptin mutant can be stored 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.