

Human Leptin Quadruple Antagonist - Purified

Catalog No.:	AR10251PU-S
Quantity:	20 µg
Concentration:	1.0 mg/ml (prior to lyophil.)
Species:	Human
Source:	E. coli
Format:	State: White lyophilized (freeze-dried) powder Purity: >98.0% as determined by both Gel filtration and SDS-PAGE Buffer System: 0.0045mM NaHCO ₃ Reconstitution: Restore in sterile 0.4% NaHCO ₃ adjusted to pH 8-9, not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Description:	Recombinant Human Leptin Quadruple Mutant is a single polypeptide chain containing 146 amino and additional Ala at N-terminus acids and having a Mw of 16 kDa, Human Leptin was mutated, resulting in L39A/D40A/F41A/I42A. Leptin Antagonist Quadruple Mutant was purified by proprietary chromatographic techniques. 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> . Biological Activity: Leptin Quadruple Antagonist 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 <i>in vitro</i> bioassays.
Add. Information:	Protein content: Protein quantitation was carried out by UV spectroscopy at 280 nm using the absorbency value of 0.89 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).
Storage:	Prior to reconstitution store at RT for one month or desiccated below -18°C. Upon reconstitution at > 0.1 Leptin mutant mg/ml and up to 2 mM and filter sterilization LEP mutant can be stored at 2-8°C or even RT 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. Avoid repeated freezing and thawing. Shelf life: one year from despatch.