

Human Leptin Quadruple Antagonist - Purified

Catalog No.:	AR10251PU-L
Quantity:	1 mg
Concentration:	1.0 mg/ml (prior to lyophil.)
Species:	Human
Source:	E. coli
Format:	<p>State: White lyophilized (freeze-dried) powder</p> <p>Purity: >98.0% as determined by both Gel filtration and SDS-PAGE</p> <p>Buffer System: 0.0045mM NaHCO₃</p> <p>Reconstitution: Restore in sterile 0.4% NaHCO₃ adjusted to pH 8-9, not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.</p>
Description:	<p>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.</p> <p>Leptin Antagonist Quadruple Mutant was purified by proprietary chromatographic techniques.</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: Leptin Quadruple Antagonist Mutant is capable of inhibiting leptin-induced proliferation of BAF/3 cells stably transected with the long form of human Leptin receptor. It also inhibits various Leptin effects in several <i>in vitro</i> bioassays.</p>
Add. Information:	<p>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).</p>
Storage:	<p>Prior to reconstitution store at RT for one month or desiccated below -18°C.</p> <p>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.</p> <p>At lower concentration addition of a carrier protein (0.1% HSA or BSA) is suggested</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: one year from despatch.</p>