

## Human Leptin Quadruple Antagonist - Purified

<b>Catalog No.:</b>	AR10251PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml (prior to lyophil.)
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<p><b>State:</b> White lyophilized (freeze-dried) powder</p> <p><b>Purity:</b> &gt;98.0% as determined by both Gel filtration and SDS-PAGE</p> <p><b>Buffer System:</b> 0.0045mM NaHCO<sub>3</sub></p> <p><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.</p>
<b>Description:</b>	<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><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>.</p> <p><b>Biological Activity:</b> 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>
<b>Add. Information:</b>	<p><b>Protein content:</b> 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>
<b>Storage:</b>	<p>Prior to reconstitution store at RT for one month or desiccated below -18°C.</p> <p>Upon reconstitution at &gt; 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>