

Human Leptin Quadruple Antagonist - Purified

Catalog No.: PA1118XC

Quantity: 1 mg

Concentration: 1,0 mg/ml

Species: Human

Source: E. coli, E.coli

Format: **State:** Lyophilized purified protein (sterile filtered)

Purity: >98% Greater than 98.0% as determined by:

(a) Gel filtration analysis.

(b) Analysis by SDS-PAGE.

Buffer System: 0.0045mM NaHCO₃

Reconstitution: Restore in sterile 0.4% NaHCO₃ adjusted to pH 8-9, not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Description: Leptin Quadruple Mutant Human Recombinant is a single polypeptide chain containing 146 amino and additional Ala at N-terminus acids, 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 Ala-Val-Pro-Ile-Gln

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 in vitro bioassays.

Molecular weight: 16 kDa 16 kDa

Add. Information: 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 stable at RT for several weeks.

Following reconstitution (at > 0.1 Leptin mutant mg/ml and up to 2 mM) store the protein undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

At lower concentration addition of a carrier protein (0.1% HSA or BSA) is suggested.

Shelf life: one year from despatch.