

Human Leptin Quadruple Antagonist - Purified

Catalog No.:	PA1118X
Quantity:	0.1 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 NaHCO ₃ Reconstitution: Restore in sterile 0.4% NaHCO ₃ 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.