

Mouse Leptin Triple Antagonist - Purified

Catalog No.: PA1119XC

Quantity: 1 mg

Concentration: 0.65 mg/ml

Species: Mouse

Source: E. coli, Escherichia coli

Format: **State:** Lyophilized purified protein

Purity: >99% Greater than 99.0% as determined by:

(a) Gel filtration analysis.

(b) Analysis by SDS-PAGE.

Buffer System: 0.003mM NaHCO₃

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

Description:

Leptin Antagonist Triple Mutant Mouse Recombinant is a single non-glycosylated polypeptide chain containing 146 amino and additional Ala at N-terminus acids, LEP was mutated, resulting in L39A/D40A/F41A mutant. Leptin Antagonist Triple Mutant Mouse Recombinant 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 Antagonist Triple Mutant Mouse Recombinant 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 quantization was carried out by UV spectroscopy at 280 nm using the absorbency value of 0.21 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 store (at > 0.1 Leptin mutant mg/ml and up to 2 mM and filter sterilization) 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.