Leptin Antagonist Triple Mutant Human Recombinant

Item Number

rAP-2341

Synonyms

Description

Leptin Antagonist Triple Mutant Human Recombinant is a single non-glycosilated polypeptide chain containing 146 amino and additional Ala at N-terminus acids and having a molecular weight of 16 kDa, Leptin was mutated, resulting in L39A/D40A/F41A. Leptin Antagonist Triple Mutant Human Recombinant was

Uniprot Accesion Number

Amino Acid Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Val-Pro-Ile-Gln.

Source

Escherichia coli.

Physical Appearance and Stability

White lyophilized (freeze-dried) powder. Lyophilized Leptin Antagonist Triple Mutant Human Recombinant although stable at room temperature for several weeks, should be stored desiccated below -18°C. Upon reconstitution at > 0.1 mg/ml and up to 2 mM and filter sterilization Leptin mutant can be stored at 4°C or even room temperature for several weeks making it suitable for long term infusion studies using osmotic

Formulation and Purity

The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO3. Greater than 98.0% as determined by:(a) Gel filtration analysis.(b) Analysis by SDS-PAGE.

Application

Solubility

It is recommended to reconstitute the lyophilized Leptin Antagonist Triple Mutant Human Recombinant in sterile 0.4% NaHCO3adjusted to pH 8-9, not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

Biological Activity

ProSpec's Leptin triple antagonist 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.

Shipping Format and Condition

Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only