

Product: Leptin Antagonist (triple mutant), Mouse, recombinant
Catalog #: 11-LEP-MtA
Amount: 20 µg

DESCRIPTION: Recombinant mouse leptin, one polypeptide chain containing 146 amino and additional Ala at N-terminus acids and having a molecular mass of ~ 16 kDa, mLEP was mutated, resulting in L39A/D40A/F41A mutant that was purified by proprietary chromatographic techniques
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*

PURITY: Greater than 99.0% as determined by:
(a) Analysis by Gel Filtration.
(b) Analysis by reducing and non-reducing SDS-PAGE gel

DIMERS & AGGREGATES: The purified mLEP triple antagonist (16K) consists of > 99% monomers as determined by gel-filtration chromatography

ENDOTOXIN: < 0.1 ng/µg (IEU/µg) of mLEP triple antagonist

PROTEIN CONTENT: 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).

FORM: Purified, in 0.003mM NaHCO₃

STORAGE: -20°C, avoid freezing and thawing cycles after reconstitution

BIOLOGICAL ACTIVITY: mLEP triple antagonist is fully biologically active when compared to standards, mLEP 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

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