

Leptin Mouse, Recombinant, E.coli

Cat.NO.: TP02803

3th Edition

Synonyms:Lep, ob, obese, Obesity factor

Description:Leptin is a 16-kDa nonglycosylated hormone that is produced in mature adipocytes. Leptin acts primarily in the hypothalamus to reduce food intake and body weight. In ob/ob mice, the gene encoding leptin is mutated, resulting in morbid obesity and associated abnormalities, including hyperphagia, hypothermia, diabetes and infertility. Originally discovered in the mouse, the cDNA for leptin has been so far cloned from a variety of species including human, rat, cow, chicken, pig, sheep and dog.

Form:Liquid. In Phosphate buffered saline (pH 7.4)

Molecular Weight:16 kDa (147 aa), confirmed by MALDI-TOF

Sequences:

MVPIQKVQDDTKTLIKTIVTRINDISHTQSVSAKQRVTGLDFIPGLHPILSLSKMDQTLAVYQQVLTSLPSQNVLQIAND
LENLRDLLHLLAFSKSCSLPQTSGLQKPESLDGVLEASLYSTEVVALSRLQGSLQDILQQLDVSPEC

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.