

Datasheet for ABIN6700213

Leptin Protein (LEP)**2** Images[Go to Product page](#)

Overview

Quantity:	200 µg
Target:	Leptin (LEP)
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Characteristics:	Obesity protein
Purification:	Leptin purity was determined to be greater than 95% as determined by analysis by UV-Spectroscopy at 280nm and by reducing and non-reducing SDS-PAGE.
Endotoxin Level:	Low endotoxin

Target Details

Target:	Leptin (LEP)
Alternative Name:	Leptin (LEP Products)
UniProt:	P50596
Pathways:	JAK-STAT Signaling , AMPK Signaling , Hormone Transport , Peptide Hormone Metabolism , Hormone Activity , Negative Regulation of Hormone Secretion , Regulation of Carbohydrate Metabolic Process , Feeding Behaviour , Monocarboxylic Acid Catabolic Process

Application Details

Application Notes: Application Note: Leptin Recombinant Protein is suitable as a control for polyclonal or monoclonal anti-Leptin in immunological assays.

Other Performance Data: Endotoxin Level: Measured by kinetic LAL analysis and is typically ≤ 1 EU/ μ g protein. Biologic Activity: The activity is currently undetermined.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Volume: 100 μ L
Reconstitution Buffer: Restore with deionized water (or equivalent)

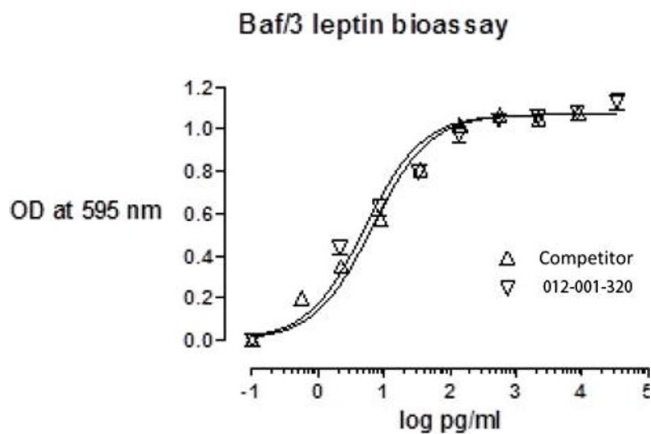
Buffer: Buffer: 0.1 % Trifluoroacetic acid

Preservative: Without preservative

Storage: RT, 4 °C, -20 °C

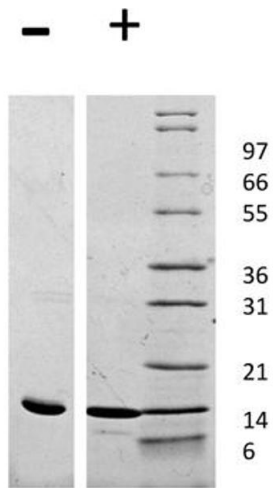
Expiry Date: 6 months

Images



SDS-PAGE

Image 1. SDS-PAGE of Rat Leptin Recombinant Protein Bioactivity of Rat Leptin Recombinant Protein. Serial dilutions of Rat Leptin were added to Baf/3 cells. After 44 hours cell proliferation was measured and the linear portion of the curve was used to determine the ED50. The ED50 of Rat Leptin is 4-6.7 pg/mL. This value is comparable to the expected range of less than 5-10 pg/mL.



SDS-PAGE

Image 2. SDS-PAGE of Rat Leptin Recombinant Protein
SDS-PAGE of Rat Leptin Recombinant Protein. Lane 1: 1 μ g Rat Leptin in non-reducing conditions. Lane 2: 1 μ g Rat Leptin in reducing conditions (+). Lane 3: Molecular weight marker. Rat Leptin has a predicted MW of 16.2 kDa.