

# Human Leptin recombinant protein



Catalog Number: 502524

## General Information

### Gene Name Synonym

Obesity factor

### Protein Construction

A DNA sequence encoding the mature form of human Leptin (NP\_000221.1) (Val 22-Cys 167) was expressed, with an additional Met.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

1. Immobilized human Leptin at 1.25 µg/ml (100 µl/well) can bind human Leptin receptor Fc chimera with a linear range of 0.032-4.0 µg/ml.
2. Immobilized human Leptin at 5 µg/ml (100 µl/well) can bind human Leptin receptor his with a linear range of 0.032-4.0 µg/ml.

### Purity

> 98 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

### Molecular Mass

The recombinant human leptin consists of 147 amino acids and predicts a molecular mass of 16 kDa. The apparent molecular mass of rhLEP is approximately 13 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

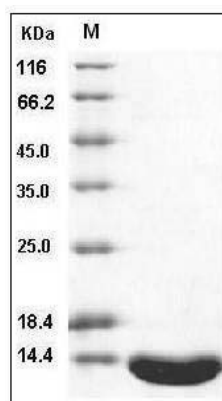
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human Leptin Protein SDS-PAGE