

# Human Leptin Receptor/CD295 (His Tag) recombinant protein



Catalog Number: 501362

## General Information

### Gene Name Synonym

HuB219; OB receptor

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Asp 839) of human leptin receptor (NP\_002294.2) was expressed, fused with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized human Leptin at 5 µg/ml (100 µl/well) can bind human Leptin receptor with a linear range of 0.032-4.0 µg/ml.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

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

### Predicted N terminal

Phe 22

### Molecular Mass

The recombinant human LEPR consists of 829 amino acids and has a predicted molecular mass of 95 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh LEPR is approximately 130-140 kDa due to glycosylation.

### 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

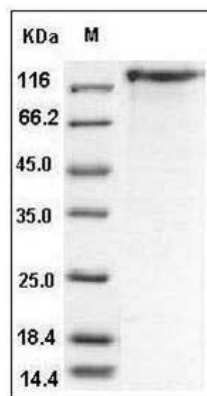
### Storage

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 Receptor / LEPR / CD295 Protein  
(His Tag) SDS-PAGE