

## Recombinant Human LEPR protein(Met1-Asp839), His&hFc-tagged

**Cat. No.** LEPR-800H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human leptin receptor (NP_002294.2)(Met 1-Asp 839) was expressed in HEK293 with the C-terminal fused polyhistidine-tagged Fc region of Human IgG1.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-839 a.a.
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized human Leptin at 1.25 µg/ml (100 µl/well) can bind human Leptin receptor with a linear range of 0.032-4.0 µg/ml.
<b>Molecular Mass</b>	The recombinant human LEPR/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 1065 amino acids and has a predicted molecular mass of 121.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh LEPR/Fc monomer is approximately 155-165 kDa due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 90 % as determined by SDS-PAGE

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** LEPR leptin receptor [ Homo sapiens ]

**Official Symbol** LEPR


**Synonyms** LEPR; leptin receptor; CD295; OBR; huB219; OB receptor; OB-R; LEP-R; DKFZp686B1731;

**Gene ID** 3953

**mRNA Refseq** NM\_001003679

**Protein Refseq** NP\_001003679

**UniProt ID** P48357

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA