



[Go to Product page](#)

Datasheet for ABIN7538353

## Leptin Receptor Protein (LEPR) (AA 22-839) (His tag)

### 1 Image

#### Overview

Quantity:	50 µg
Target:	Leptin Receptor (LEPR)
Protein Characteristics:	AA 22-839
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Leptin Receptor protein is labelled with His tag.

#### Product Details

Purpose:	Recombinant human LEPR Protein with C-terminal 6xHis tag
Specificity:	LEPR (Phe22-Asp839) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

#### Target Details

Target:	Leptin Receptor (LEPR)
Alternative Name:	LEPR ( <a href="#">LEPR Products</a> )
Background:	The protein encoded by this gene belongs to the gp130 family of cytokine receptors that are

## Target Details

---

known to stimulate gene transcription via activation of cytosolic STAT proteins. This protein is a receptor for leptin (an adipocyte-specific hormone that regulates body weight), and is involved in the regulation of fat metabolism, as well as in a novel hematopoietic pathway that is required for normal lymphopoiesis. Mutations in this gene have been associated with obesity and pituitary dysfunction. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. It is noteworthy that this gene and LEPROT gene (GenID:54741) share the same promoter and the first 2 exons, however, encode distinct proteins (PMID:9207021).[provided by RefSeq, Nov 2010]

---

Molecular Weight: predicted molecular mass of 94.3 kDa after removal of the signal peptide. The apparent molecular mass of LEPR-His is 130-250 kDa due to glycosylation.

---

UniProt: [P48357](#)

---

Pathways: [JAK-STAT Signaling](#), [AMPK Signaling](#), [Feeding Behaviour](#)

## Application Details

---

Restrictions: For Research Use only

## Handling

---

Format: Lyophilized

---

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

---

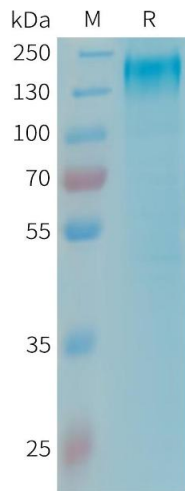
Storage: -20 °C,-80 °C

---

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

---

Expiry Date: 12 months



### SDS-PAGE

**Image 1.** Human LEPR Protein, His Tag on SDS-PAGE under reducing condition.