

**Leptin, rat recombinant protein**  
**OB Protein, Obesity Protein, OBS, Obesity factor.**  
**Catalog # PBV10253r**

## Specification

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### Leptin, rat recombinant protein - Product info

Primary Accession [P50596](#)  
Calculated MW **16.2 kDa** KDa

### Leptin, rat recombinant protein - Additional Info

Gene ID	<b>25608</b>
Gene Symbol	<b>LEP</b>
<b>Other Names</b>	
OB Protein, Obesity Protein, OBS, Obesity factor.	
Gene Source	<b>Rat</b>
Source	<b>E. coli</b>
Assay&Purity	<b>SDS-PAGE; ≥95%</b>
Assay2&Purity2	<b>HPLC; ≥95%</b>
Recombinant	<b>Yes</b>
Results	<b>0.35-0.06 ng/ml</b>
<b>Target/Specificity</b>	
Leptin	

### Application Notes

Reconstitute in H<sub>2</sub>O to a concentration of 0.1–1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or –20°C for three months. For long-term storage it is recommended to add a carrier protein (0.1% HAS or BSA).

### Format

Lyophilized protein

### Storage

–20°C; Lyophilized from 4.5 μM NaHCO<sub>3</sub>.

### Leptin, rat recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Leptin, rat recombinant protein - Images****Leptin, rat recombinant protein - Background**

Leptin (Anti-Obesity Protein) is the protein product of the ob (obese) gene in mice and seems to be involved in appetite control. The ob gene is expressed in adipose tissue and is thought to regulate the body's fat stores. Mice with the ob/ob genotype also develop a form of diabetes similar to type II (non-insulin dependent) diabetes. Rat Leptin is a 16.2 kDa protein containing 147 amino acid residues.