

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

Specification

Leptin, rat recombinant protein - Product info

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

Leptin, rat recombinant protein - Additional Info

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

Application Notes

Reconstitute in H₂O 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 NaHCO₃.

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.