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Leptin, human recombinant protein

OB Protein, Obesity Protein, OBS, Obesity factor.
Catalog # PBV10251r

Specification

Leptin, human recombinant protein - Product info

Primary Accession	P41159
Calculated MW	**16.0 kDa KDa**

Leptin, human recombinant protein - Additional Info

Gene ID	**3952**
Gene Symbol	**LEP**

Other Names
OB Protein, Obesity Protein, OBS, Obesity factor.

Gene Source	**Human**
Source	**E. coli**
Assay&Purity	**SDS-PAGE; ≥98%**
Assay2&Purity2	**HPLC; ≥98%**
Recombinant	**Yes**

Target/Specificity
Leptin

Application Notes
Add 15 mM sterile HCl (0.5 ml/1 mg vial or 5 ml/10 mg vial) to the vial. After the protein is completely dissolved, add 7.5 mM sterile NaOH (0.3 ml/1 mg vial or 3 ml/10 mg vial) to bring the pH to approximately 5.2.

Format
Lyophilized protein

Storage
-20°C; Sterile filtered and lyophilized

Leptin, human 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 Cytomety
- Cell Culture

Leptin, human recombinant protein - Images

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Leptin, human 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. Human Leptin is a 16 kDa protein containing 146 amino acid residues.

Leptin, human recombinant protein - References

Zhang Y.,et al.Nature 372:425-432(1994).
Zhang Y.,et al.Nature 374:479-479(1995).
Masuzaki H.,et al.Diabetes 44:855-858(1995).
Gong D.W.,et al.J. Biol. Chem. 271:3971-3974(1996).
Chehab F.F.,et al.Submitted (DEC-1995) to the EMBL/GenBank/DDBJ databases.