# Leptin (mouse), (recombinant)

Leptin, the product of the *ob* (obese) gene, is a 16kDa protein consisting of 146 amino acid residues. Leptin is produced in the adipose tissue, and is considered to play an important role in appetite control, fat metabolism and regulation of body weight. Studies have shown that it may also influence reproductive function. Mice with *ob*/*ob* genotype develop a form of diabetes similar to type II in humans.

## Ordering Information

Order Online »

| | |
|---|---|
| **ALX-201-035-M001** | 1mg |

## Manuals, SDS & CofA

View Online »

## Handling & Storage

| | |
|---|---|
| **Use/Stability** | Reconstituted protein is stable for 4 weeks when stored at +4°C. |
| **Handling** | Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20°C. |
| **Long Term Storage** | -20°C |
| **Shipping** | Blue Ice |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Alternative Name** | OB gene product |
| **Biological Activity** | Induces proliferation of BAF/3 cells stably transfected with the long form of human leptin receptor. |
| **CAS** | 181030-10-4 |
| **Endotoxin Content** | <0.1EU/µg purified protein. |
| **Formulation** | Lyophilized from 0.0045mM sodium bicarbonate. |
| **MI** | **14:** 5443 |
| **MW** | ~16kDa. |
| **Purity** | ≥98% (SDS-PAGE) |
| **Reconstitution** | Reconstitute with sterile water or 0.4% sodium bicarbonate, pH 8-9. Do not reconstitute to less than 0.1mg/ml. Further dilutions should be made with medium containing a carrier protein. |
| **Source** | Produced in *E. coli*. Homologous to mouse serum leptin. |
| **UniProt ID** | P41160 |

**Last modified: May 29, 2024**

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.