Leptin (human), (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. It targets the central nervous system, particularly hypothalamus, affecting food intake. Leptin levels are high in most obese individuals. Studies have shown that it may also influence reproductive function.

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ALX-201-034-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 freeze in liquid nitrogen.
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	177404-21-6
Endotoxin Content	<0.1EU/μg purified protein.
Formulation	Lyophilized from 0.0045mM sodium bicarbonate.
MI	**14:** 5443
MW	~16kDa.
Purity	≥95% (SDS-PAGE; reducing and non-reducing)
Purity Detail	The purified recombinant human leptin consists of >93% monomers as determined by gel-filtration chromatography.
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 0.1% HSA or BSA.
Source	Produced in *E. coli*. Homologous to human serum leptin.
UniProt ID	P41159

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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

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