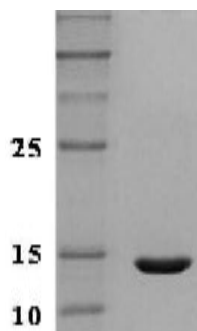


## LEP

## Recombinant Human Leptin

<b>Catalog No.</b>	CSI15648A CSI15648B	<b>Quantity:</b>	100 µg 500 µg
<b>Alternate Names:</b>	FLJ94114, OB, OBS, leptin (murine obesity homolog), leptin (obesity homolog, mouse), obese, mouse, homolog of, obesity factor		
<b>Description:</b>	Human leptin is a 16-kDa nonglycosylated hormone that is produced in mature adipocytes. Leptin acts primarily in the hypothalamus to reduce food intake and body weight. In ob/ob mice, the gene encoding leptin is mutated, resulting in morbid obesity and associated abnormalities, including hyperphagia, hypothermia, diabetes and infertility. The function of leptin in regulating appetite and metabolism, as well as the possibility of using leptin as a therapeutic agent, are currently under intense investigation. Recombinant human leptin was overexpressed as insoluble protein aggregate in <i>E.coli</i> and purified by FPLC gel-filtration chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.		
<b>Concentration:</b>	1 mg/ml (determined by Bradford assay)		
<b>GeneID:</b>	3952		
<b>Protein Accession No:</b>	NP_000221		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	16 kDa (147 aa), confirmed by MALDI-TOF.		
<b>Formulation:</b>	Liquid. In Phosphate buffered saline, pH 7.4.		
<b>Purity:</b>	> 95% by SDS - PAGE		
<b>Amino Acid Sequence:</b>	MTPLGPASSL PQSFLKCLE QVRKIQGDGA ALQEKLCATY KLCHPEELVL LGHSLGIPWA PLSSCPSQAL QLAGCLSQLH SGLFLYQGLL QALEGISPEL GPTLDTLQLD VADFATTIWQ QMEELGMAPA LQPTQGAMPA FASAFQRRAG GVLVASHLQS FLEVSRYRLR HLAQP		
<b>Application:</b>	SDS-PAGE		
<b>Storage &amp; Stability:</b>	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -80°C. <b>Avoid repeated freezing and thawing cycles.</b>		



14% SDS-PAGE (3µg)

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



**Cell Sciences®**  
480 Neponset Street  
Bldg 12A  
Canton, MA 02021

Toll Free: 888-769-1246  
Phone: 781-828-0610  
Fax: 781-828-0542

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)

# cellsciences.com



**Cell Sciences®**  
480 Neponset Street  
Bldg 12A  
Canton, MA 02021

Toll Free: 888-769-1246  
Phone: 781-828-0610  
Fax: 781-828-0542

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)