

## Recombinant Human LEPR

**Cat. No.** LEPR-801H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human LEPR full-length ORF (AAI60009.1) recombinant protein without tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>The protein encoded by this gene belongs to the gp130 family of cytokine receptors that are known to stimulate gene transcription via activation of cytosolic STAT proteins. This protein is a receptor for leptin (an adipocyte-specific hormone that regulates body weight), and is involved in the regulation of fat metabolism, as well as in a novel hematopoietic pathway that is required for normal lymphopoiesis. Mutations in this gene have been associated with obesity and pituitary dysfunction. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. It is noteworthy that this gene and LEPROT gene (GeneID:54741) share the same promoter and the first 2 exons, however, encode distinct proteins.</p>
<b>Form</b>	Liquid
<b>Molecular Mass</b>	128.15 kDa
<b>AA Sequence</b>	<p>MICQKFCVLLHWEFIYVITAFNLSYPITPWRFKLSCMPPNSTYDYFLLPAGLSKNTS  NSNGHYETAVEPKFNSS GTHFSNLSKTTFHCCFRSEQDRNCSLCADNIEGKTFVST  VNSLVFQQIDANWNIQCWLKGDCLKFICYVESLFKN LFRNRYNKVHLLYVLPEVLED  SPLVPQKGSFQMVHCNCSVHECCECLVPVPTAKLNDTLLMCLKITSGGVIFQSP LM  SVQPINMVKPDPPLGLHMEITDDGNLKISWSSPPLVPFPLQYQVKYSENSTTVIREAD</p>

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KIVSATSLLVDSILP GSSYEVQVRGKRLDGPGIWSDWSTPRVFTTQDVIYFPPKILTS  
VGSNVSFHCIYKKENKIVPSKEIVWWMNLAEK IPQSQYDVVSDHVSKVTFNLFNETK  
PRGKFTYDAVYCCNEHECHHRYAELYVIDVNINISCETDGYLTKMTCRWS TSTIQSL  
AESTLQLRYHRSSLYCSDIPSIHPISEPKDCYLQSDGFYECIFQPIFLLSGYTMWIRIN  
HSLGSLDSP PTCVLPDSVVKPLPPSSVKAETINIGLLKISWEKPVFPENNLQFQIRYG  
LSGKEVQWKMYEVYDAKSKSVSLPV PDLCAVYAVQVRCKRLDGLGYWSNWSNPA  
YTVVMDIKVPMRGPEFWRIINGDTMKKEKNVTLLWKPLMKNDLCS VQRYVINHHT  
SCNGTWSERVEDVGNHTKFTFLWTEQAHTVTVLAINSIGASVANFNLTFSWPMKVNIVQ  
SLSAYPLN SSCVIVSWILSPSDYKLMYFIIWKNLNEDGEIKWLRISSSVKKYYIHDHF  
IPIEKYQFSLYPIFMEGVGKPKII NSFTQDDIEKHQSDAGLYVIVPVISSSILLGTLIS  
HQRMKKLFWEDVPNPKNCSWAQGLNFQKPFTEHLFI KHTASVTCGPLLLEPETIS  
EDISVDTSWKNKDEMMPTTVSLLSTTDLEKGSVCISDQFNSVNFSEAEGETVYE  
DESQRQPFVKYATLISNSKPSETGEEQGLINSSVTKCFSSKNSPLKDSFSNSSSWEIE  
AQAFFILSDQHPNIISPH LTFSEGLDELLKLEGNFPEENNDKKSIIYLVGVTSIKKRESG  
VLLTDKSRVSCPFPAPCLFTDIRVLQDSCSHFVE NNINLGTSSKKTFAASYMPQFQTC  
STQTHKIMENKMCDLTV

**Storage** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

## GENE INFORMATION

**Gene Name** [LEPR leptin receptor \[ Homo sapiens \(human\) \]](#)

**Official Symbol** LEPR

**Synonyms** LEPR; OBR; OB-R; CD295; LEP-R; LEPRD; leptin receptor; huB219; OB receptor

**Gene ID** [3953](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>mRNA Refseq</b>	NM_001003679
<b>Protein Refseq</b>	NP_001003679
<b>MIM</b>	601007
<b>UniProt ID</b>	P48357
<b>Chromosome Location</b>	1p31
<b>Pathway</b>	AMPK signaling; Adipocytokine signaling pathway; Cytokine-cytokine receptor interaction
<b>Function</b>	cytokine receptor activity; protein binding; transmembrane signaling receptor activity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA