

# Recombinant Full Length Human LEPR Protein

Cat. No. LEPR-283HF 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>	In Vitro Cell Free System
<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>MICQKFCVVL LHWEFIYVIT AFNLSYPITP WRFKLSCMPP NSTYDYFLLP            AGLSKNTSNS NGHJETAVEP KFNSSGTHFS NLSKTTFHCC FRSEQDRNCS            LCADNIEGKT FVSTVNSLVF QQIDANWNIQ CWLKGDLKLF ICYVESLFKN            LFRNYNYKVH LLYVLPEVLE DSPLVPQKGS FQMVHCNCSV HECCECLVPV            PTAKLNDTLL MCLKITSGGV IFQSPLMSVQ PINMVKPDPP LGLHMEITDD</p>

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GNLKISWSSP PLVPFPLQYQ VKYSENSTTV IREADKIVSA TSELLVDSILP  
 GSSYEVQVRG KRLDGPPIWS DWSTPRVFTT QDVIYFPPKI LTSVGSNVSF  
 HCIYKKENKI VPSKEIVWWM NLAEKIPQSQ YDVVSDHVSX VTFNLLNETK  
 PRGKFTYDAV YCCNEHECHH RYAELYVIDV NINISCETDG YLTKMTCRWS  
 TSTIQSLAES TLQLRYHRSS LYCSDIPSIH PISEPKDCYL QSDGFYECIF  
 QPIFLLSGYT MWIRINHSLG SLDSPPTCVL PDSVVKPLPP SSVKAEITIN  
 IGLLKISWEK PVFPENNLQF QIRYGLSGKE VQWKMYEVYD AKSKSVSLPV  
 PDLCAVYAVQ VRCKRLDGLG YWSNWSNPAY TVVMDIKVPM RGPEFWRIIN  
 GDTMKKEKNV TLLWKPLMKN DSLCSVQRYV INHHTSCNGT WSEDVGNHTK  
 FTFLWTEQAH TVTVLAINSI GASVANFNLT FSWPMSKVNI VQLSAYPLN  
 SSCVIVSWIL SPSDYKLMYF IIEWKNLND GEIKWLRISX SVKKYYIHDH  
 FIPIEKYQFS LYPIFMEGVG KPKIINSFTQ DDIEKHQSDA GLYVIVPVII SSSILLGLT  
 LISHQRMKKL FWEDVPNPKN CSWAQGLNFQ KPETFELFI KHTASVTCGP  
 LLEPETISE DISVDTSWKN KDEMPTTVV SLLSTTDLEK GSVCSIDQFN  
 SVNFSEAEGT EVTYEDESQR QPFVKYATLI SNSKPSETGE EQGLINSSVT  
 KCFSSKNSPL KDSFSNSSWE IEAQAFFILS DQHPNIISPH LTFSEGLDEL  
 LKLEGNFPEE NNDKKSIIYL GVTSIKKRES GVLLTDKSRV SCPPAPCLF  
 TDIRVLQDSC SHFVENNINL GTSSKKTFFAS YMPQFQTCST QTHKIMENKM CDLTV

**Storage** Store at -80 centigrade. 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

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Gene ID	3953
mRNA Refseq	NM_001003679
Protein Refseq	NP_001003679
MIM	601007
UniProt ID	P48357

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