

Recombinant Full Length Human LEPR Protein

Cat. No. LEPR-283HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LEPR full-length ORF (AAI60009.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
Description	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.
Form	Liquid
Molecular Mass	128.15 kDa
AA Sequence	MICQKFCVVL LHWEFIYVIT AFNLSYPITP WRFKLSCMPP NSTYDYFLLP AGLSKNTSNS NGHJETAVEP KFNSSGTHFS NLSKTTFHCC FRSEQDRNCS LCADNIEGKT FVSTVNSLVF QQIDANWNIQ CWLKGDLKLF ICYVESLFKN LFRNYYNKVH LLYVLPEVLE DSPLVPQKGS FQMVHCNCSV HECCECLVPV PTAKLNDTLL MCLKITSGGV IFQSPLMSVQ PINMVKPDPP LGLHMEITDD

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GNLKISWSSP PLVPFPLQYQ VKYSENSTTV IREADKIVSA TSLLVDSILP
 GSSYEVQVRG KRLDGPGIWS DWSTPRVFTT QDVIYFPPKI LTVSGSNVSF
 HCIYKKENKI VPSKEIVWWW NLAEKIPQSQ YDVVSDHVSX VTFNLTNETK
 PRGKFTYDAV YCCNEHECHH RYAEYVIDV 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 VQSL SAYPLN
 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
 LKLEGNFP EE NNDKKSIIYL GVTSIKKRES GVLLTDKSRV SCFPAPCLF
 TDIRVLQDSC SHFVENNINL GTSSKKTFFS 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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