

Product datasheet for RC223816L3V

OriGene Technologies, Inc.

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Leptin Receptor (LEPR) (NM 002303) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Leptin Receptor (LEPR) (NM_002303) Human Tagged ORF Clone Lentiviral Particle

Symbol: Leptin Receptor

Synonyms: CD295; LEP-R; LEPRD; OB-R; OBR

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK
ACCN: NM 002303

ORF Size: 3495 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC223816).

Sequence:

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through

naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

RefSeg: NM 002303.2

 RefSeq Size:
 4102 bp

 RefSeq ORF:
 3498 bp

 Locus ID:
 3953

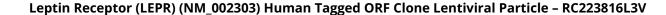
 UniProt ID:
 P48357

Cytogenetics: 1p31.3

Domains: FN3

Protein Families: Druggable Genome, Secreted Protein, Transmembrane





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Protein Pathways: Adipocytokine signaling pathway, Cytokine-cytokine receptor interaction, Jak-STAT signaling

pathway, Neuroactive ligand-receptor interaction

MW: 132.55 kDa

Gene Summary: 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 (GenelD:54741) share the same promoter and the first 2 exons, however, encode distinct

proteins (PMID:9207021).[provided by RefSeq, Nov 2010]