

RP00420

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Recombinant Human Leptin Receptor/LEPR/CD295 Protein

Catalog No.: RP00420 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3953	P48357

Tags

C-10×His

Synonyms

CD295;LEP-R;LEPRD;OB-R;OBR;LEPR

Background

This protein 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 (PMID:9207021).

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Basic Information

Description

Recombinant Human Leptin Receptor/LEPR/CD295 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Phe22-Asp839) of human Leptin Receptor/LEPR/CD295 (Accession #P48357) fused with a 10×His tag at the C-terminus.

Bio-Activity

Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

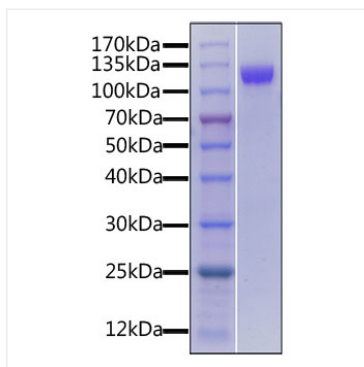
Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant protein Human Leptin Receptor/LEPR/CD295 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 120 kDa.