Recombinant Mouse Leptin Receptor

Cat. No. Lepr-1766M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Mouse
Source	Mammalian Cells
Description	Leptin receptor, also known as LEPR, and CD295 (cluster of differentiation 295) is a single-transmembrane-domain receptor of the cytokine-receptor family. Leptin receptor exists in multiple forms with a common extracellular domain and a variable length cytoplasmatic portion. Leptin receptor may act as a negative regulator of Leptin activity and it may maintain a pool of available bioactive Leptin by binding and delaying its clearance from circulation. Leptin receptor is considered a physiological marker of primate fetal lung maturity.
Molecular Weight	The predicted molecular weight of Recombinant Mouse Leptin R is Mr 120 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 150-170 kDa.
State Of Matter	Lyophilized.
Purity	>97% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	20°Cto -70°C. After aseptic reconstitution, this protein may be stored at 2°Cto 8°Cfor one month or at -20°Cto -70°Cin a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	Lepr leptin receptor [Mus musculus]
Synonyms	Lepr; leptin receptor; db; Obr; obl; Leprb; Modb1; LEPROT; OB-RGRP; diabetes; MGC105189; obese-like; OB receptor; OTTMUSP00000008795; leptin receptor gene-related protein
Gene ID	16847
mRNA Refseq	NM_001122899
Protein Refseq	NP_001116371
UniProt ID	P48356
Chromosome Location	4 C6; 4 46.7 cM
Pathway	Adipocytokine signaling pathway; Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; Neuroactive ligand-receptor interaction
Function	cytokine receptor activity; protein binding; receptor activity; transmembrane receptor activity

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA