antibodies

## Datasheet for ABIN7320922 Leptin Receptor Protein (LEPR) (Fc Tag)



Overview

Image

Quantity:	50 µg	
Target:	Leptin Receptor (LEPR)	
Origin:	Mouse	
Source:	Human Cells	
Protein Type:	Recombinant	
Purification tag / Conjugate:	This Leptin Receptor protein is labelled with Fc Tag.	

## Product Details

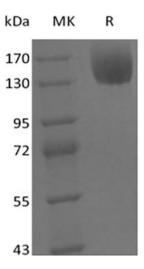
Purpose:	Recombinant Mouse Leptin Receptor/LEPR/CD295 (C-Fc)
Sequence:	Leu22-Gly839
Characteristics:	Recombinant Mouse Leptin Receptor is produced by our Mammalian expression system and the target gene encoding Leu22-Gly839 is expressed with a Fc tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per $\mu$ g as determined by the LAL method.

## Target Details

Target:	Leptin Receptor (LEPR)
Alternative Name:	Leptin Receptor/LEPR/CD295 (LEPR Products)
Background:	Background: The Leptin receptor is a member of the Class I cytokine receptor family. It mediates the activities of Leptin, a multi-functional hormone produced primarily by adipose
	tissues that plays roles in food intake, energy metabolism, angiogenesis, reproduction,

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	hematopoiesis, bone metabolism, and immune function. The human Leptin R gene encodes 1165 amino acids (aa) including a signal peptide, an extracellular region with cytokine receptor homology (CRH), multiple fibronectin type III domains and a WSXWS motif, a transmembrane domain, and a cytoplasmic domain that supports JAK/STAT signaling. Soluble Leptin R is the primary Leptin-binding protein in blood, where it maintains a pool of available bioactive Leptin, delays Leptin clearance from circulation, and down-regulates blood-brain transmission of Leptin. In humans, soluble Leptin R levels are inversely proportional to adiposity and are
	elevated in females versus males. Soluble Leptin R is also found up-regulated in patients with chronic heart failure, end-stage renal disease, and anorexia. It is expressed by tumor-initiating stem cells, and is proposed as a link between cancer and obesity.
	Synonym: Leptin receptor, LEP-R, HuB219, OB receptor, OB-R, CD295, LEPR, DB, OBR
Molecular Weight:	119.1 kDa
UniProt:	P48356
Pathways:	JAK-STAT Signaling, AMPK Signaling, Feeding Behaviour
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



## Western Blotting

Image 1.

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