Datasheet for ABIN1684639

Leptin Receptor Protein (LEPR) (C-Term, Extracellular Domain)

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Overview

Quantity:	100 µg
Target:	Leptin Receptor (LEPR)
Protein Characteristics:	C-Term, Extracellular Domain
Origin:	Human
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Specificity:	Optimized DNA sequence encoding extracellular domain of human leptin receptor including a C-terminal Human IgG1 Fc tag was expressed in HEK293 cells.
Characteristics:	Recombinant human leptin receptor is a homodimer protein consisting of two 1070 amino acid residue subunit chains, due to glycosylation migrates as an approximately 160kDa protein on SDS-PAGE.
Purity:	> 98 %, as determined by SDS-PAGE and HPLC
Sterility:	0.2 µm filtered
Endotoxin Level:	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/µg(1EU/µg).

Target Details

Target:	Leptin Receptor (LEPR)

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Target Details

Alternative Name:	LEPR (LEPR Products)
Background:	FGF-10 is involved in the initial budding as well as the continuous outgrowth of vertebrate limbs, FGF10 mRNA is expressed preferentially in neurons but not in glial cells and may have a distinct role in the brain. Human FGF-10 is mitogenic for fetal rat keratinizing epidermal cells but not for NIH 3T3 cells. Recombinant FGF-10 induces the proliferation of human urothelial cells in vitro and induces the proliferation of transitional epithelium. FGF-10 is secreted by cultured mouse pre-adipocytes, prevention of FGF-10 signaling inhibits subsequent differentiation. The ability of embryonic fibroblasts derived from FGF-10 knock-out mice to differentiate into adipocytes is also impaired.
UniProt:	P48357
Pathways:	JAK-STAT Signaling, AMPK Signaling, Feeding Behaviour

Application Details

Comment:	Biologically active: Measured by its ability to bind immobilized recombinant human Leptin (1 µg/mL) at a linear concentration range of 0.01-4 µg/mL.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS solution, pH7.2
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	The lyophilized antibody is stable for at least 1 year from date of receipt at -20 °C. Upon reconstitution, this antibody can be stored in working aliquots at - 8 °C for one month, or at -20 °C for six months without detectable loss of activity.
Expiry Date:	12 months

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