Active Recombinant Human LEPR Protein, hFc-His-tagged

Cat. No. LEPR-0357H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human LEPR Protein(NP_002294.2)(20-839 aa) is produced by HEK293 cells expression system, fused with a Fc and His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	20-839 aa
Form	Lyophilized from a 0.22 μm filtered solution of 50mM MES, 100mM NaCl,1mM DTT, pH6.5.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human Leptin protein at 2 μg/mL (100 μL/well) can bind Recombinant Human Leptin R/CD295 proteinthe EC50 of Leptin R/CD295 is 261.45 ng/mL.
Molecular Mass	120.46 kDa
Endotoxin	< 1 EU/μg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name	LEPR leptin receptor [Homo sapiens]
Official Symbol	LEPR
Synonyms	LEPR; leptin receptor; CD295; OBR; huB219; OB receptor; OB-R; LEP-R; DKFZp686B1731;
Gene ID	3953
mRNA Refseq	NM_001003679
Protein Refseq	NP_001003679
UniProt ID	P48357
Activity	
SDS-PAGE	

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