

Recombinant Human LEPR protein(Met1-Asp839), His&hFc-tagged

Cat. No. LEPR-800H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human leptin receptor (NP_002294.2)(Met 1-Asp 839) was expressed in HEK293 with the C-terminal fused polyhistidine-tagged Fc region of Human IgG1.
Species	Human
Source	HEK293
ProteinLength	1-839 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human Leptin at 1.25 µg/ml (100 µl/well) can bind human Leptin receptor with a linear range of 0.032-4.0 µg/ml.
Molecular Mass	The recombinant human LEPR/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 1065 amino acids and has a predicted molecular mass of 121.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh LEPR/Fc monomer is approximately 155-165 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

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