

Recombinant Human Leptin receptor/LEP-R/CD295 Protein

Catalog No.: RP01248 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3953	P48357

Tags

C-hFc&His

Synonyms

CD295;LEP-R;LEPRD;OB-R;OBR;LEPR

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of 50mM MES, 100mM NaCl, 1mM DTT, pH6.5. Contact us for customized product form or formulation.

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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Basic Information

Description

Recombinant Human Leptin receptor/LEP-R/CD295 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Thr20-Asp839) of human Leptin R/CD295 (Accession #NP_002294.2) fused with a Fc, 6xHis tag at the C-terminus.

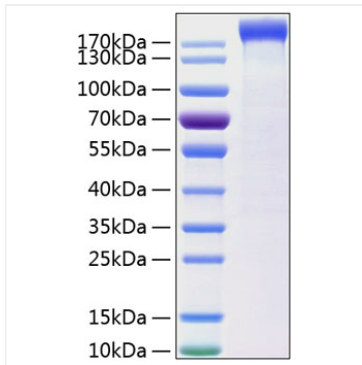
Bio-Activity

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 protein. The EC₅₀ of Leptin R/CD295 is 261.45 ng/mL.

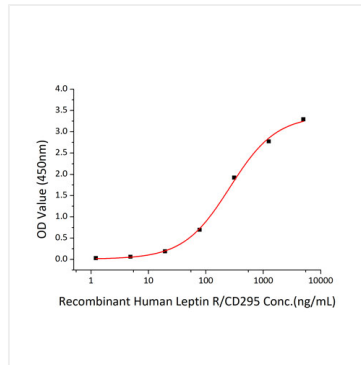
Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Leptin receptor/LEP-R/CD295 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 170-190 kDa.



Immobilized Recombinant Human Leptin protein at 2 μ g/mL (100 μ L/well) can bind Recombinant Human Leptin receptor/LEP-R/CD295 Protein. The EC₅₀ of Leptin R/CD295 is 261.45 ng/mL.