# Recombinant Human Leptin receptor/LEP-R /CD295 Protein

**Catalog No.: RP01248**

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## Sequence Information

| Species | Gene ID |
|---|---|
| Human | 3953 |
| **Swiss Prot** | **Tags** |
| P48357 | C-hFc&His |

**Synonyms**
CD295,LEP-R,LEPRD,OB-R,OBR, LEPR

## Product Information

| Source | Purification |
|---|---|
| HEK293 cells | ≥ 95 % as determined by SDS-PAGE. |
| **Calculated MW** | **Observed MW** |
| 120.46 kDa | 170-190 kDa |

**Endotoxin**
< 1 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## 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, 6×His tag at the C-terminus.

**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 $EC_{50}$ of Leptin R/CD295 is 261.45 ng/mL.

**Shipping**
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

**Storage**
Store at -20℃

**Operational Notes**
For your safety and health, please wear a lab coat and disposable gloves for handling.

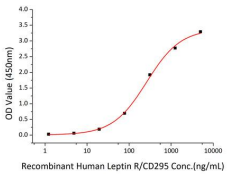
**Contact**

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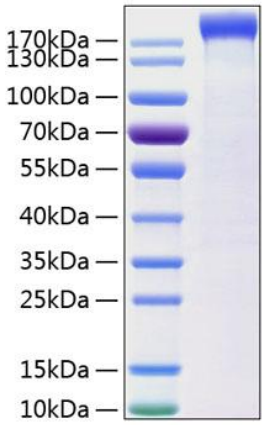


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## Validation Data




Immobilized Recombinant Human Leptin protein at 2μg/mL (100 μL/well) can bind Recombinant Human Leptin receptor/LEP-R/CD295 Protein，the $EC_{50}$ of Leptin R /CD295 is 261.45 ng/mL.




Recombinant Human Leptin receptor/LEP-R/CD295 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.