

# 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 % as

≥ 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.

## **Contact**

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|-----------|---------------------------|
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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, 6×His tag at the C-terminus.

#### **Bio-Activity**

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human Leptin protein at 2  $\mu$ g/mL (100  $\mu$ L/well) can bind Recombinant Human Leptin R/CD295 protein the EC<sub>50</sub> of Leptin R/CD295 is 261.45 ng/mL.

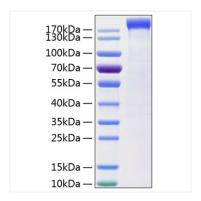
#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

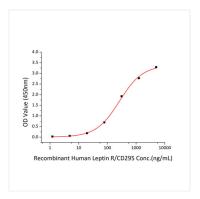
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

# **Validation Data**



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



Immobilized Recombinant Human Leptin protein at  $2\mu g/mL$  ( $100~\mu L/well$ ) can bind Recombinant Human Leptin receptor/LEP-R/CD295 Protein[]the EC<sub>50</sub> of Leptin R/CD295 is 261.45 ng/mL.