

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 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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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 μ g/mL (100 μ L/well) can bind Recombinant Human Leptin R/CD295 protein the EC₅₀ of Leptin R/CD295 is 261.45 ng/mL.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

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

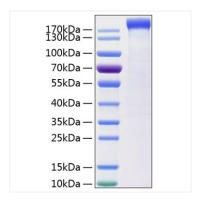
After reconstitution, the protein solution is stable at -20 $^{\circ}$ C for 3 months, at 2-8 $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

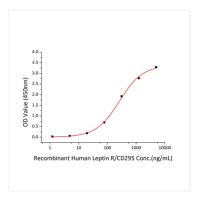
Operational Notes

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

Validation Data



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



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