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Datasheet for ABIN7535076
Leptin Receptor Protein (LEPR) (Fc Tag,His tag)

Overview

Quantity:	100 µg
Target:	Leptin Receptor (LEPR)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Leptin Receptor protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human Leptin receptor/LEP-R/CD295 Protein
Sequence:	TAFNLSYPIT PWRFKLSCMP PNSTYDYFLL PAGLSKNTSN SNGHYETAVE PKFNSSGTHF SNLSKTTFHC CFRSEQDRNC SLCADNIEGK TfvstvnsLV FQQIDANWNI QCWLKGDCLK FICYVESLFK NLFrnyNyKV HLLYVLPEVL EDSPLVPQKG SFQMvHCNCS VHECCECLVP VPTAKLNDTL LMCLKITSGG VIFQSPLMSV QPINMVKPDP PLGLHMEITD DGNLKISWSS PPLVPFPLQY QVKYSENSTT VIREADKIVS ATsLLVDSIL PGSSYEVQVR GKRLDGPGIW SDWSTPRVFT TQDVIYFPPK ILTSVGSNVs FHCiYKkENK IvPSKEiVwW MNLAEKIPQS QYDVVSDHVS KVTFFNLNET KPRGKFTYDA VYCCNEHECH HRYAELYVID VNINISCETD GYLTKMTCRW STSTIQSLAE STLQLRYHRS SLYCSDIPSI HPISEPKDCY LQSDGFYECI FQPIFLLSGY TMWIRINHSL GSLDSPPTCV LPDSVVKPLP PSSVKAIEITi NIGLLKISWE KPVFPENNLQ FQIRYGLSGK EVQWKMYEVY DAKSKSVSLP VPDLCaVYAV QVRCKRLDGL GYWSNWSNPA YTVVMDIKVP MRGPEFWRII NGDTMKKEKN VTLLWKPLMK NDSLCSVQRY VINHHTSCNG TWSEdVGNHT KFTFLWTEQA HTVTVLAINS IGASVANFNL TFSWPMSKVN

Product Details

IVQSL SAYPL NSSCVIVSWI LSPSDYKLMY FII EWKLN E DGEIKWLRIS SSVK KYYIHD
HFIPIEKYQF SLYPIFMEGV GKPKIINSFT QDDIEKHQSD

Specificity: Thr20-Asp839

Purity: > 95 % by SDS-PAGE.

Sterility: 0.22 µm filtered

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

Biological Activity Comment: 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.

Target Details

Target: Leptin Receptor (LEPR)

Alternative Name: Leptin receptor/LEP-R/CD295 ([LEPR Products](#))

Background: CD295, LEP-R, LEPRD, OB-R, OBR, LEPR

Gene ID: 3953

UniProt: [P48357](#)

Pathways: [JAK-STAT Signaling](#), [AMPK Signaling](#), [Feeding Behaviour](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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.

Buffer: Lyophilized from a 0.22 µm filtered solution of 50 mM MES, 100 mM NaCl, 1 mM DTT, pH 6.5.

Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE

Handling

which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: 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.