

## Recombinant Human CD295 Protein

Catalog #	Source	Reactivity	Applications
CRP2640	Human cells	Human	E, WB, SDS-PAGE, MS

**Description** Recombinant Human CD295 Protein is produced by mammalian expression system and the target gene encoding Phe22-Asp839 is expressed with a 10His tag at the C-terminus.

**Form** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**Gene Symbol** LEPR

**Alternative Names** DB; OBR; Leptin receptor; LEP-R; HuB219; OB receptor; OB-R; CD295

**Entrez Gene** 3953 (Human)

**SwissProt** P48357 (Human)

**Purity** Greater than 95% as determined by reducing SDS-PAGE.

**Chemical Structure** FNLSYPITPW RFKLSCMPPN STYDYFLLPA GLSKNTSNSN GHYETAPEPK FNSSGTHFSN  
 LSKTTFHCCF RSEQDRNCSL CADNIEGKTF VSTVNSLVFQ QIDANWNIQC WLKGDCLKFI  
 CYVESLFKNL FRNYNYKVHL LYVLPEVLED SPLVPQKGSF QMVHCNCSVH ECCECLVPVP  
 TAKLN D TLLM CLKITSGGVI FQSPLMSVQP INMVKPDPPL GLHMEITDDG NLKISWSSPP  
 LVPFPLQYQV KYSENSTTVI READKIVSAT SLLVDSILPG SSYE VQVRGK RLDGPGIWSD  
 WSTPRVFTTQ DVIYFPPKIL TSVGSNVSFH CIYKKENKIV PSKEIVWWMN LAEKIPQSQY  
 DVVSDHVSKV TFFNLNETKP RGKFTYDAVY CCNEHECHHR YAELYVIDVN INISCETDGY  
 LTKMTCRWST STIQSLAEST LQLRYHRSSL YCSDIPSIHP ISEPKDCYLQ SDGFYECIFQ  
 PIFLLSGYTM WIRINHSLGS LDSPPTCVLP DSVVKPLPPS SVKAEITINI GLLKISWEKP  
 VFPENNLQFQ IRYGLSGKEV QWKMYEVYDA KSKSVSLPVP DLCAVYAVQV RCKRLDGLGY  
 WSNWSNPAYT VVMDIKVPMR GPEFWRIING DTMKKEKNVT LLWKPLMKND  
 SLCSVQRYVI NHTSCNGTW SEDVGNHTKF TFLWTEQAHT VTVLAINSIG ASVANFNLT

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

SWPMSKVNIV QLSAYPLNS SCVIVSWILS PSDYKLMYFI IEWKLNEDG EIKWLRISSE

VKKYYIHDHF IPIEKYQFSL YPIFMEGVGK PKIINSFTQD DIEKHQSDHH HHHHHHHH

## Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

## Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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