

Leptin R/LEPR Protein, Human (HEK293, His-Fc)

Cat. No.:	HY-P73273
Synonyms:	Leptin receptor; LEP-R; HuB219; OB-R; CD295; DB
Species:	Human
Source:	HEK293
Accession:	NP_002294.2 (F22-D839)
Gene ID:	3953
Molecular Weight:	130-180 kDa

PROPERTIES

AA Sequence

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F N L S Y P I T P W   R F K L S C M P P N   S T Y D Y F L L P A   G L S K N T S N S N
G H Y E T A V E P K   F N S S G T H F S N   L S K T T F H C C F   R S E Q D R N C S L
C A D N I E G K T F   V S T V N S L V F Q   Q I D A N W N I Q C   W L K G D L K L F I
C Y V E S L F K N L   F R N Y N Y K V H L   L Y V L P E V L E D   S P L V P Q K G S F
Q M V H C N C S V H   E C C E C L V P V P   T A K L N D T L L M   C L K I T S G G V I
F Q S P L M S V Q P   I N M V K P D P P L   G L H M E I T D D G   N L K I S W S S P P
L V P F P L Q Y Q V   K Y S E N S T T V I   R E A D K I V S A T   S L L V D S I L P G
S S Y E V Q V R G K   R L D G P G I W S D   W S T P R V F T T Q   D V I Y F P P K I L
T S V G S N V S F H   C I Y K K E N K I V   P S K E I V W W M N   L A E K I P Q S Q Y
D V V S D H V S K V   T F F N L N E T K P   R G K F T Y D A V Y   C C N E H E C H H R
Y A E L Y V I D V N   I N I S C E T D G Y   L T K M T C R W S T   S T I Q S L A E S T
L Q L R Y H R S S L   Y C S D I P S I H P   I S E P K D C Y L Q   S D G F Y E C I F Q
P I F L L S G Y T M   W I R I N H S L G S   L D S P P T C V L P   D S V V K P L P P S
S V K A E I T I N I   G L L K I S W E K P   V F P E N N L Q F Q   I R Y G L S G K E V
Q W K M Y E V Y D A   K S K S V S L P V P   D L C A V Y A V Q V   R C K R L D G L G Y
W S N W S N P A Y T   V V M D I K V P M R   G P E F W R I I N G   D T M K K E K N V T
L L W K P L M K N D   S L C S V Q R Y V I   N H H T S C N G T W   S E D V G N H T K F
T F L W T E Q A H T   V T V L A I N S I G   A S V A N F N L T F   S W P M S K V N I V
Q S L S A Y P L N S   S C V I V S W I L S   P S D Y K L M Y F I   I E W K N L N E D G
E I K W L R I S S S   V K K Y Y I H D H F   I P I E K Y Q F S L   Y P I F M E G V G K
P K I I N S F T Q D   D I E K H Q S D

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Biological Activity

Measured by its binding ability in a functional ELISA. Immobilized human Leptin at 1.25 µg/mL (100 µL/well) can bind Biotinylated human Leptin receptor. The ED₅₀ for this effect is 0.1843 µg/mL.

Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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