

Recombinant Human VLDLR Protein, His-tagged

Cat. No. VLDLR-479H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human VLDLR protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	873
Description	The low density lipoprotein receptor (LDLR) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. This gene encodes a lipoprotein receptor that is a member of the LDLR family and plays important roles in VLDL-triglyceride metabolism and the reelin signaling pathway. Mutations in this gene cause VLDLR-associated cerebellar hypoplasia. Alternative splicing generates multiple transcript variants encoding distinct isoforms for this gene.
Form	Lyophilized
Molecular Mass	83 kDa
AA Sequence	MGTSALWALWLLLALCWAPRESGATGTGRKAKCEPSQFQCTNGRCITLLWKCDGD EDCVDGSDEKNCVKKTCAESDFVCNNGQCVPSRWKCDGDPDCEDGSDESPEQC HMRTCRIHEISCGAHSTQCIPVSWRCDGENDCDSGEDEENCGNITCSPDEFTCSSG RCISRNFCVNGQDDCSDGSDELDCAPPTCGAHEFQCSTSSCIPISWVCDDDADCSD QSDESLEQCGRQPVIHTKCPASEIQCGSGECIHKKWRCDGDPDCKDGSDEVNCP RTPCRPDQFECEDGSCIHGSRQCNGIRDCVDGSDEVNCKNVNQCLGPGKFKCRSGE

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CIDISKVCNQEQDCRDWSDEPLKECHINECLVNNGGCSHICKDLVIGYECDAAGFE
 LIDRKTGDIDECQNP GICSQICINLKGGYKCECSRGYQMDLATGVCKAVGKEPSLIF
 TNRRDIRKIGLERKEYIQLVEQLRNTVALDADIAAQKLFWADLSQKAIFSASIDDKVGR
 HVKMIDNVYNPAAIAVDWVYKTIYWTDAAASKTISVATLDGTRKFLFNSDLREPASIA
 VDPLSGFVYWSDWGEPKIEKAGMNGFDRRPLVTADIQWPNGITLDLIKSRLYWLD
 SKLHMLSSVDLNGQDRRIVLKSLEFLAHPLALTIFEDRVYWIDGENEAVYGANKFTGS
 ELATLVNNLNDQAQDIIVYHELVQPSGKNWCEEDMENG GCEYLCLPAPQINDHSPKYT
 CSCPSGYNVEENGRDCQSTATTVTYSETKDTNTTEISATSGLVPGGINVTTAVSEVS
 VPPKGTSAAWAILPLLLLVMMAVGGYLMWRNWQHKNMKSMNFDNPVYLKTTEEDL
 SIDIGRHSASVGHTYPAISVVSTDDDLA

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

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GENE INFORMATION

Gene Name	VLDLR very low density lipoprotein receptor [Homo sapiens (human)]
Official Symbol	VLDLR
Synonyms	VLDLR; very low density lipoprotein receptor; very low-density lipoprotein receptor; VLDL-R; VLDL receptor; CARMQ1; CHRMQ1; VLDLRCH; FLJ35024;
Gene ID	7436
mRNA Refseq	NM_001018056
Protein Refseq	NP_001018066
MIM	192977
UniProt ID	P98155

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