Recombinant Human VLDLR protein, His & T7-tagged

Cat. No. VLDLR-5719H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VLDLR aa. (Lys418~Ala722 (Accession # P98155)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Lys418~Ala722
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 38.2kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.9.

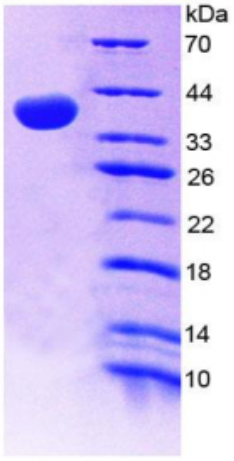
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	VLDLR very low density lipoprotein receptor [Homo sapiens (human)]
Official Symbol	VLDLR
Synonyms	VLDLR; very low density lipoprotein receptor; CAMRQ1; CARMQ1; CHRMQ1; VLDL-R; VLDLRCH; very low-density lipoprotein receptor; VLDL receptor
Gene ID	7436
mRNA Refseq	NM_001018056.2
Protein Refseq	NP_001018066.1
UniProt ID	P98155

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SDS-PAGE	 15% SDS-PAGE

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