Recombinant Human LRP8 protein, His & GST-tagged

Cat. No. LRP8-7868H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LRP8 aa. (Pro696~Pro941 (Accession # Q14114)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Pro696~Pro941
Description	This gene encodes a member of the low density lipoprotein receptor (LDLR) family. Low density lipoprotein receptors are cell surface proteins that play roles in both signal transduction and receptor-mediated endocytosis of specific ligands for lysosomal degradation. The encoded protein plays a critical role in the migration of neurons during development by mediating Reelin signaling, and also functions as a receptor for the cholesterol transport protein apolipoprotein E. Expression of this gene may be a marker for major depressive disorder. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 59.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

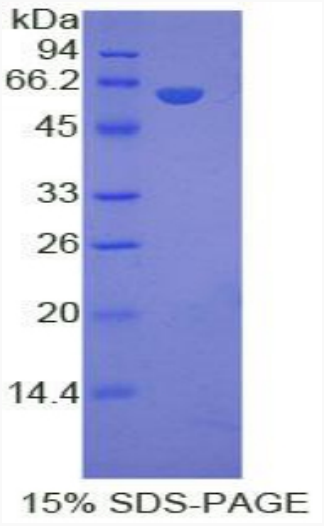
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Characteristic	The isoelectric point is 6.6.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein 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% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	LRP8 LDL receptor related protein 8 [Homo sapiens (human)]
Official Symbol	LRP8
Synonyms	LRP8; LDL receptor related protein 8; MCI1; LRP-8; APOER2; HSZ75190; low-density lipoprotein receptor-related protein 8; ApoE receptor 2; low density lipoprotein receptor-related protein 8, apolipoprotein e receptor
Gene ID	7804
mRNA Refseq	NM_001018054.2

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Protein Refseq	NP_001018064.1
UniProt ID	Q14114
SDS-PAGE	

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