

Recombinant Human LRP8 293 Cell Lysate

Cat. No. LRP8-4653HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for low density lipoprotein receptor-related protein 8, apolipoprotein e receptor (LRP8), transcript variant 3 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	LRP8 low density lipoprotein receptor-related protein 8, apolipoprotein e receptor [Homo sapiens]
Official Symbol	LRP8
Synonyms	LRP8; low density lipoprotein receptor-related protein 8, apolipoprotein e receptor; low-density lipoprotein receptor-related protein 8; APOER2; ApoE receptor 2; MC11; LRP-8; HSZ75190;
Gene ID	7804
mRNA Refseq	NM_001018054
Protein Refseq	NP_001018064
MIM	602600
UniProt ID	Q14114
Chromosome Location	1p32.3
Pathway	Hemostasis, organism-specific biosystem; Lissencephaly gene (LIS1) in neuronal migration and development, organism-specific biosystem; Platelet homeostasis, organism-specific biosystem; Platelet sensitization by LDL, organism-specific biosystem; Reelin signaling pathway, organism-specific biosystem;

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Function

apolipoprotein E binding; calcium ion binding; protein binding; receptor activity; transmembrane signaling receptor activity; very-low-density lipoprotein particle receptor activity;

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