

Recombinant Human LRP6 293 Cell Lysate

Cat. No. LRP6-4654HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for low density lipoprotein receptor-related protein 6 (LRP6) 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.

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

GENE INFORMATION

Gene Name LRP6 low density lipoprotein receptor-related protein 6 [Homo sapiens]

Official Symbol LRP6

Synonyms LRP6; low density lipoprotein receptor-related protein 6; low-density lipoprotein receptor-related protein 6; LRP-6; ADCAD2; FLJ90062; FLJ90421;

Gene ID 4040

mRNA Refseq NM_002336

Protein Refseq NP_002327

MIM 603507

UniProt ID O75581

Chromosome Location 12p13.2

Pathway Canonical Wnt signaling pathway, organism-specific biosystem; MicroRNAs in cardiomyocyte hypertrophy, organism-specific biosystem; Presenilin action in Notch and Wnt signaling, organism-specific biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem; Wnt Signaling Pathway and Pluripotency, organism-specific biosystem; Wnt signaling network, organism-specific biosystem; Wnt

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signaling pathway, organism-specific biosystem;

Function

Wnt-activated receptor activity; Wnt-protein binding; apolipoprotein binding; coreceptor activity involved in Wnt receptor signaling pathway; frizzled binding; kinase inhibitor activity; low-density lipoprotein receptor activity; protein binding; protein homodimerization activity; receptor activity; receptor binding; toxin transporter activity; NOT toxin transporter activity;

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