

Recombinant Human LRP1 cell lysate

Cat. No. LRP1-2217HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LRP1 / A2MR / CD91 (aa 786-1165) derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Human
Source	Human Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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	SDS-PAGE for Western blot application. If dissociating conditions are required, add reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.
GENE INFORMATION	
Gene Name	LRP1 low density lipoprotein receptor-related protein 1 [Homo sapiens]
Official Symbol	LRP1
Synonyms	LRP1; low density lipoprotein receptor-related protein 1; A2MR, alpha 2 macroglobulin receptor , APR; prolow-density lipoprotein receptor-related protein 1; CD91; LRP; LRP-1; type V tgf-beta receptor; apolipoprotein E receptor; alpha-2-macroglobulin receptor; TbetaR-V/LRP-1/IGFBP-3 receptor; APR; A2MR; APOER; TGFBFR5; IGFBP3R; FLJ16451; MGC88725;
Gene ID	4035
mRNA Refseq	NM_002332
Protein Refseq	NP_002323
MIM	107770

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UniProt ID	Q07954
Chromosome Location	12q13-q14
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Malaria, organism-specific biosystem; Malaria, conserved biosystem; PDGFR-beta signaling pathway, organism-specific biosystem; Statin Pathway, organism-specific biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem;
Function	apolipoprotein E binding; apolipoprotein binding; calcium ion binding; calcium ion binding; lipoprotein particle receptor binding; lipoprotein transporter activity; protease binding; protein binding; protein complex binding; receptor activity;

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