

Recombinant Human LDL receptor related protein 1 Protein, His tagged

Cat. No. LRP1-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LRP1 Protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	2522-2941 aa
Description	<p>This gene encodes a member of the low-density lipoprotein receptor family of proteins. The encoded preproprotein is proteolytically processed by furin to generate 515 kDa and 85 kDa subunits that form the mature receptor (PMID: 8546712). This receptor is involved in several cellular processes, including intracellular signaling, lipid homeostasis, and clearance of apoptotic cells. In addition, the encoded protein is necessary for the alpha 2-macroglobulin-mediated clearance of secreted amyloid precursor protein and beta-amyloid, the main component of amyloid plaques found in Alzheimer patients. Expression of this gene decreases with age and has been found to be lower than controls in brain tissue from Alzheimer's disease patients.</p>
Tag	C-His
Molecular Mass	47 kDa
AA Sequence	SSCRAQDEFECANGECINFLTCDGVPHCKDKSDEKPSYCNSRRCKKTFRQCSNG RCVSNMLWCNGADDCGDSDEIPCNKTACGVGEFRCRDGTICIGNSSRCNQFVDC

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EDASDEMNCSATDCSSYFRLGVKGVLFQPCERTSLCYAPSWVCDGANDCGDYSD
 ERDCPGVKRPRCPLNYFACPSGRICIPMSWTCDKEDDCEHGEDETHCNKFCSEAQF
 ECQNHRCISKQWLCDGSDDCGDGSDEAAHCEGKTCGPSSFSCPGTHVCVPERWL
 CDGDKCADGADESIAAGCLYNSTCDDREFMCQNRQCIPKHFVCDHDRDCADGSD
 ESPECEYPTCGPSEFRCANGRCLSSRQWECDGENDCHDQSDEAPKNPHCTSQEHL
 KCNASSQFLCSSGRCVAEALLCNGQDDCGDSSDERGCHIIHHHHHHHH

Endotoxin < 1 EU/μg by LAL.

Purity > 90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer Sterile PBS, pH7.4

Concentration 0.65 mg/mL by BCA

GENE INFORMATION

Gene Name [LRP1 LDL receptor related protein 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [LRP1](#)

Synonyms LRP1; low density lipoprotein receptor-related protein 1; A2MR, alpha 2 macroglobulin receptor , APR; prolown-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; TGFBP5; IGFBP3R; FLJ16451; MGC88725

Gene ID [4035](#)

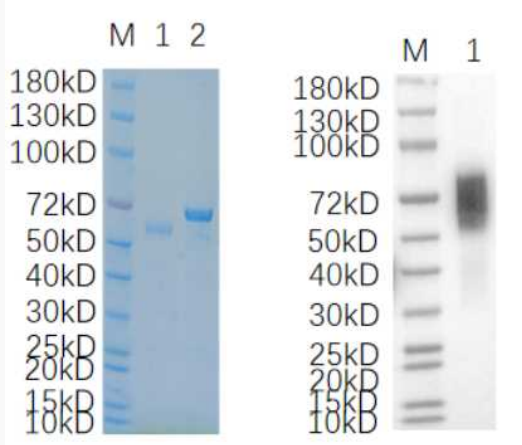
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mRNA Refseq	NM_002332
Protein Refseq	NP_002323
MIM	107770
UniProt ID	Q07954

Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified LRP1.



1. LRP1: 1 μ g
2. BSA: 1 μ g

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