

Recombinant Full Length Human LRP1 Protein

Cat. No. LRP1-6010HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LRP1 full-length ORF (AAH45107.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	372 amino acids
Description	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. [provided by RefSeq, Oct 2015]
Form	Liquid
Molecular Mass	31.6 kDa
AA Sequence	MLTPPLLLLLPLLSALVAAIDAPKTCSPKQFACRDQITCISKGWRCDGERDCPDGS DEAPEICPQSKAQRCQPNEHNCLGTELCVPM SRLCNGVQDCMDGSDEGPHCREL

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QGNCSRLGCQHHCVPTLDGPTCYCNSSFQLQADGKTCKDFDECSVYGTCSQLCTN
 TDGSFICGCVGYLLQPDNRSCAKNEPVDRPPVLLIANSQNILATYLSGAQVSTITP
 TSTRQTTAMDFSANETVCWVHVGDSSAAQTQLKCARMPLKGFVDEHTINISLSLH
 LCVFSKSQQEMG

Applications

Antibody Production
 Functional Study
 Compound Screening

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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;
 TGFR5; IGFBP3R; FLJ16451; MGC88725;

Gene ID

4035

mRNA Refseq

NM_002332

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Protein Refseq	NP_002323
MIM	107770
UniProt ID	Q07954

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