

Recombinant Full Length Human LRP1 Protein, GST-tagged

Cat. No. LRP1-6011HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LRP1 full-length ORF (AAH45107.1, 1 a.a. - 292 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	292 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]
Molecular Mass	58 kDa
AA Sequence	MLTPPLLLLLPLLSALVAAIDAPKTCSPKQFACRDQITCISKGWRCDCGERDCPDGS DEAPEICPQSKAQRCQPNEHNCLGTELCVPMSRLCNGVQDCMDGSDEGPHCREL QGNC SRLG CQHHC VPTLDGPTCYCNSSFQLQADGKTCKDFDECSVYGTCSQLCTN

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TDGSFICGCVGYLLQPDNRSCKAKNEPVDRPPVLLIANSQNILATYLSGAQVSTITP
TSTRQTTAMDFSANETVCWVHVGDSSAAQTQLKCARMPLKGFVDEHTINISLSLH
LCVFSKSQQEMG

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

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

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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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