

Recombinant Human LRP1 Protein(ALEVLFFQ tag)

Cat. No: HH0193LL

PRODUCT INFORMATION

Synonyms	LRP1; CD91; LRP; LRP-1; APR; A2MR; APOER; TGFBR5; IGFBP3R
Product Overview	Recombinant Human LRP1 Protein (Q07954) (Arg 786-Leu 1165) with an additional peptide (ALEVLFFQ) at the C-terminus was expressed in HEK293.
Species	Human
Accession	LRP1
Source	HEK293
Tag	ALEVLFFQ
Predicted N Terminal	Glu 27
Form	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose and 5 % mannitol.
Molecular Mass	Recombinant Human LRP1 (aa 786-1165) consists of 387 amino acids and predicts a molecular mass of 42 kDa. As a result of glycosylation, the apparent molecular mass of the protein is approximately 90-120 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method).
Purity	> 70 % by SDS-PAGE.

USAGE GUIDE

Storage	In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C). Avoid repeated freeze/thaw cycles.
Reconstitution	Reconstitute in sterile distilled water to a concentration of 0.1-1.0 mg/mL.
Warning	For research use only!

BACKGROUND

Background	Endocytic receptor involved in endocytosis and in phagocytosis of apoptotic cells. Required for early embryonic development. Involved in cellular lipid homeostasis. Involved in the plasma clearance of chylomicron remnants and activated LRPAP1 (alpha 2-macroglobulin), as well as the local metabolism of complexes between plasminogen activators and their endogenous inhibitors. May modulate cellular events,
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such as APP metabolism, kinase-dependent intracellular signaling, neuronal calcium signaling as well as neurotransmission. Functions as a receptor for Pseudomonas aeruginosa exotoxin A.

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