

LRP1 recombinant protein

Recombinant Human LRP1 Protein (Cluster II, hFc Tag), HPLC-verified

CATALOG # AAA259288	HOST HEK293 Cells	REACTIVITY Human
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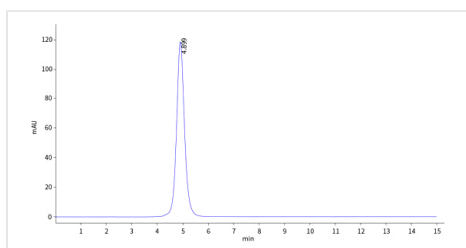
PRODUCT SYNONYMS

LRP1; Recombinant Human LRP1 Protein (Cluster II; hFc Tag); HPLC-verified; Human LRP1 Protein (Cluster II; Fc Tag); low density lipoprotein receptor-related protein 1; A2MR Protein; Human; APOER Protein; APR Protein; CD91 Protein; DDH3 Protein; IGFBP-3R Protein; IGFBP3R Protein; IGFBP3R1 Protein; KPA Protein; LRP Protein; LRP1A Protein; TGFBR5 Protein; LRP1 recombinant protein

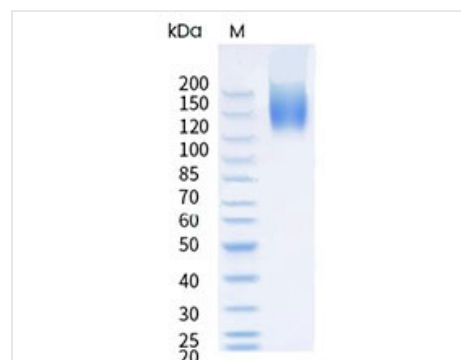
PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Reactivity	Human
Purity/Purification	>= 95% as determined by SDS-PAGE. >= 95% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence	Arg786-Leu 1165
Tag	C-human IgG1-Fc
Predicted N Terminal	Arg 786
Endotoxin	< 1.0 EU perug of the protein as determined by the LAL method
Protein Construction	A DNA sequence encoding the Human LRP1 (Q07954)(Arg786-Leu1165) was expressed with the Fc region of human IgG1 at the C-terminus.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for LRP1 recombinant protein	Low-density lipoprotein receptor-related protein 1 (LRP1), also known as alpha-2-macroglobulin receptor (A2MR), apolipoprotein E receptor (APOER), or cluster of differentiation 91 (CD91), is an endocytic receptor involved in several cellular processes. LRP1/CD91 is a member of the cluster of differentiation (CD) system. The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alters the behavior of the cell. Some CD proteins do not take part in the cell signal process but have other functions such as cell adhesion. LRP1/CD91 is involved in endocytosis and phagocytosis of apoptotic cells and is required for early embryonic development. LRP1/CD91 is also involved in cellular lipid homeostasis, the plasma clearance of chylomicron remnants, activated LRPAP1 (alpha 2-macroglobulin), and the local metabolism of complexes between plasminogen activators and their endogenous inhibitors. LRP1/CD91 May modulate cellular events, such as APP metabolism kinase-dependent intracellular signaling, neuronal calcium signaling as well as neurotransmission need the involvement of LRP1/CD91.
Product Categories/Family for LRP1 recombinant protein	Serine Proteases and Regulators
References	S. HP. e. al. (2002. Interactio. o. CED-6/GULP. a. adapte. protei. involve. i. engulfmen. o. apoptoti. cell. wit. CED-. an. CD91/lo. densit. lipoprotei. receptor-relate. protei. (LRP). . Bio. Chem. 277(14). 11772-9.Che. JS. e. al. (2010. Secrete. hea. shoc. protei. 90alph. induce. colorecta. cance. cel. invasio. throug. CD91/LRP-. an. NF-kappaB-mediate. integri. alpha. expression. . Bio. Chem. 285(33). 25458-66.Dasgupt. S. e. al. (2008. Facto. VII. bypasse. CD91/LR. fo. endocytosi. b. dendriti. cell. leadin. t. T-cel. activation. Haematologica. 93(1). 83-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	126012562
NCBI GeneID	4035
NCBI Accession #	NP_002323.2
NCBI GenBank Nucleotide #	NM_002332.2
UniProt Accession #	Q07954 ; Q2PP12 ; Q8IVG8
Molecular Weight	504,606 Da
NCBI Official Full Name	prolow-density lipoprotein receptor-related protein 1
NCBI Official Synonym Full Names	low density lipoprotein receptor-related protein 1
NCBI Official Symbol	LRP1
NCBI Official Synonym Symbols	APR; LRP; A2MR; CD91; APOER; LRP1A; TGFBR5; IGFBP3R
NCBI Protein Information	prolow-density lipoprotein receptor-related protein 1; LRP-1; type V tgf-beta receptor; apolipoprotein E receptor; alpha-2-macroglobulin receptor; TbetaR-V/LRP-1/IGFBP-3 receptor
UniProt Protein Name	Prolow-density lipoprotein receptor-related protein 1
UniProt Gene Name	LRP1
UniProt Synonym Gene Names	A2MR; APR; LRP-1; A2MR; APOER; LRP-85; LRP-515; LRPICD
UniProt Entry Name	LRP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.