Human LRP1 (853-1183) Protein

Cat. No. LRP-HM612

Description

Source	Recombinant Human LRP1 (853-1183) Protein is expressed from HEK293 with His tag and Strep II tag at the C-terminus.
	It contains Gln853-Asp1183.
Accession	Q07954-1
Molecular Weight	The protein has a predicted MW of 38.67 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

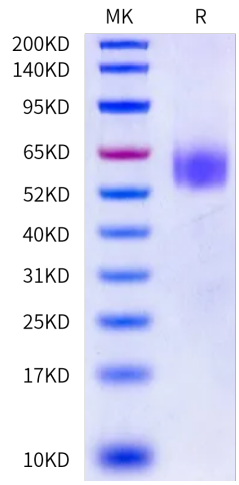
Formulation	Supplied as 0.22 μm filtered solution in 10mM HEPES, 150mM NaCl, 5mM CaCl2, 0.005% Tween-20 (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Low-density lipoprotein (LDL)-related protein-1 (LRP-1) is a member of LDL receptor family that is implicated in lipoprotein metabolism and in the homeostasis of proteases and protease inhibitors. In addition to its function as a scavenger receptor for various ligands, LRP-1 has been shown to transduce multiple intracellular signal pathways including mitogen-activated protein kinase (MAPK), Akt, Rho, and the integrin signaling. LRP-1 signaling plays an important role in the regulation of diverse cellular process, such as cell proliferation, survival, motility, differentiation, and transdifferentiation, and thus participates in the pathogenesis of organ dysfunction and injury.

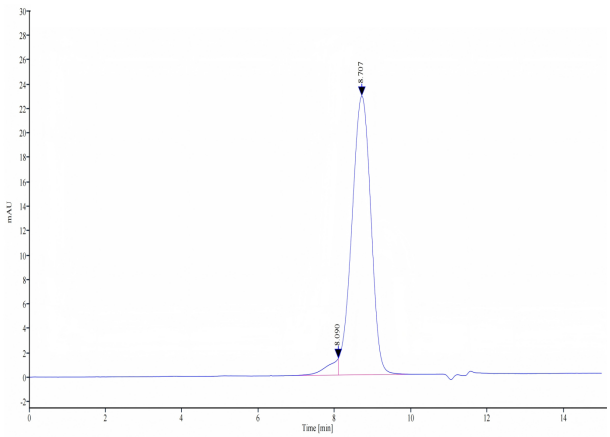
Assay Data

Bis-Tris PAGE



Human LRP1 (853-1183) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human LRP1 (853-1183) is greater than 95% as determined by SEC-HPLC.