

LRP10

Recombinant Human LDL Receptor-related Protein 10 (His Tag)

Catalog No.	CRH706A-His CRH706B-His	Quantity:	20 µg 100 µg
Alternate Names:	Low-density lipoprotein receptor-related protein 10, LRP-10		
Description:	Various members of the low-density lipoprotein receptor (LDLR) family have been reported to play a role in APP trafficking and processing and are important risk factors in AD. LDLR-related protein 1 (LRP1) shuttles between the trans-Golgi Network (TGN), plasma membrane (PM), and endosomes. LRP1 is a functional APP receptor involved in APP trafficking and processing. LRP1 interacts directly with the ectodomain of APP and colocalizes with APP at the TGN. LRP1 is a novel APP sorting receptor that protects APP from amyloidogenic processing, suggesting that a decrease in LRP1 function may contribute to the pathogenesis of Alzheimer's disease.		
UniProt ID:	Q7Z4F1-1		
Protein Construction:	A DNA sequence encoding the human LRP10 extracellular domain (Met 1-Lys 440) was fused with a polyhistidine tag at the C-terminus.		
Source:	HEK293 Cells		
Formulation:	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
Molecular Weight:	The recombinant human LRP10 consists of 435 amino acids and predicts a molecular mass of 47.5kDa.		
Purity:	> 97 % as determined by SDS-PAGE.		
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method		
Biological Activity:	Testing in progress		
Predicted N-terminal:	His 17		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

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