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LRP10
Recombinant Human LDL Receptor-related Protein 10 (Fc Tag)

Catalog No.	CRH706A-Fc CRH706B-Fc	**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 the Fc region of human IgG1 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 secreted rhLRP10/Fc is a disulfide-linked homodimer. The reduced monomer consists of 665 aa with a predicted MW of 73 kDa and migrates at ~80-90 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Purity: > 88 % 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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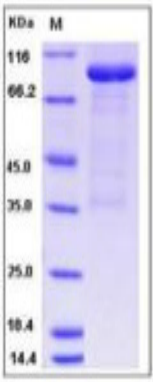
SDS-PAGE



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