cellsciences.com

LRP10

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

Catalog No.CRH706A-HisQuantity:20 μg

CRH706B-His 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

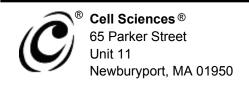
mg/mL and gently pipette the solution up and down the sides of the vial. **DO NOT VORTEX**. Allow several minutes for complete reconstitution.

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.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Toll Free: 888-769-1246 E-mail: info@cellsciences.com
Phone: 978-572-1070 Website: www.cellsciences.com
Fax: 978-992-0298