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# **Recombinant Human LRP10 Protein (His Tag)**

Catalog No. PKSH030686

*Note:* Centrifuge before opening to ensure complete recovery of vial contents.

# **Description**

Synonyms LRP9;MST087;MSTP087

Species Human

Expression Host

Sequence

Met 1-Lys 440

Accession

Q7Z4F1-1

Calculated Molecular Weight

Observed molecular weight

Tag

HEK293 Cells

Met 1-Lys 440

Q7Z4F1-1

47.5 kDa

60 kDa

C-His

**Bioactivity** Not validated for activity

### **Properties**

**Purity** > 97 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per ug of the protein as determined by the LAL method.

**Storage** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

**Shipping** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation** Lyophilized from sterile PBS, pH 7.4

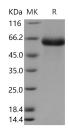
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

**Reconstitution** Please refer to the printed manual for detailed information.

#### Data



> 97 % as determined by reducing SDS-PAGE.

# **Background**

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-

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## **Elabscience Bionovation Inc.**



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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.

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