

# Recombinant Human LRP10 Protein (Fc Tag)

Catalog Number:PKSH030687



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

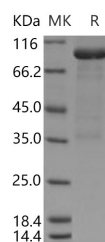
## Description

<b>Synonyms</b>	LRP9;MST087;MSTP087
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Met 1-Lys 440
<b>Accession</b>	Q7Z4F1-1
<b>Calculated Molecular Weight</b>	73.0 kDa
<b>Observed molecular weight</b>	80-90 kDa
<b>Tag</b>	C-hFc

## Properties

<b>Purity</b>	> 88 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	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.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 88 % 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-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.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017