

Human LRP10 Protein (Fc Tag)

Catalog Number: 13228-H02H



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

LRP9; MST087; MSTP087; Lrp9

Protein Construction:

A DNA sequence encoding the human LRP10 (Q7Z4F1-1) extracellular domain (Met 1-Lys 440) was fused with the Fc region of human IgG1 at the C-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 88 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: His 17

Molecular Mass:

The secreted recombinant human LRP10/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 665 amino acids and has a predicted molecular mass of 73 kDa. The apparent molecular mass of rhLRP10/Fc monomer is approximately 80-90 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

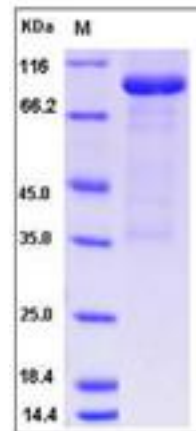
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

- 1.Jeong YH, *et al.* (2010) The low-density lipoprotein receptor-related protein 10 is a negative regulator of the canonical Wnt/beta-catenin signaling pathway. *Biochem Biophys Res Commun.* 392(4): 495-9.
- 2.Beisiegel U, *et al.* (1991) Lipoprotein lipase enhances the binding of chylomicrons to low density lipoprotein receptor-related protein. *Proc Natl Acad Sci U S A.* 88(19): 8342-6.
- 3.Strickland DK, *et al.* (1990) Sequence identity between the alpha 2-macroglobulin receptor and low density lipoprotein receptor-related protein suggests that this molecule is a multifunctional receptor. *J Biol Chem.* 265(29): 17401-4.

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