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Datasheet for ABIN7538362

## LRP5 Protein (Fc Tag)

### 1 Image

#### Overview

Quantity:	50 µg
Target:	LRP5
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LRP5 protein is labelled with Fc Tag.

#### Product Details

Purpose:	Recombinant human LRP5 Protein with N-terminal human Fc tag
Specificity:	HFc (Glu99-Ala330) LRP5 (Glu644-Gln1263)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

#### Target Details

Target:	LRP5
Alternative Name:	LRP5 ( <a href="#">LRP5 Products</a> )
Background:	This gene encodes a transmembrane low-density lipoprotein receptor that binds and internalizes ligands in the process of receptor-mediated endocytosis. This protein also acts as a co-receptor with Frizzled protein family members for transducing signals by Wnt proteins and

## Target Details

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was originally cloned on the basis of its association with type 1 diabetes mellitus in humans. This protein plays a key role in skeletal homeostasis and many bone density related diseases are caused by mutations in this gene. Mutations in this gene also cause familial exudative vitreoretinopathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]

Molecular Weight: predicted molecular mass of 95.9 kDa after removal of the signal peptide.

UniProt: [O75197](#)

Pathways: [WNT Signaling](#), [Stem Cell Maintenance](#), [Positive Regulation of fat Cell Differentiation](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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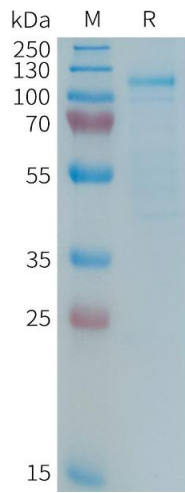
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



### SDS-PAGE

**Image 1.** Human Protein, hFc Tag on SDS-PAGE under reducing condition.