

Datasheet for ABIN7275209

LRP5 Protein (AA 644-1263) (mFc Tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	LRP5
Protein Characteristics:	AA 644-1263
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LRP5 protein is labelled with mFc Tag.

Product Details

Purpose:	Human LRP-5 Protein
Sequence:	Glu644-Gln1263
Characteristics:	Recombinant Human LRP-5 Protein is expressed from HEK293 with mFc (IgG1) tag at the C-Terminus. It contains Glu644-Gln1263.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human DKK1, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human LRP-5, mFc Tag with the EC50 of 0.20µg/ml determined by ELISA. See testing image for detail.

Target Details

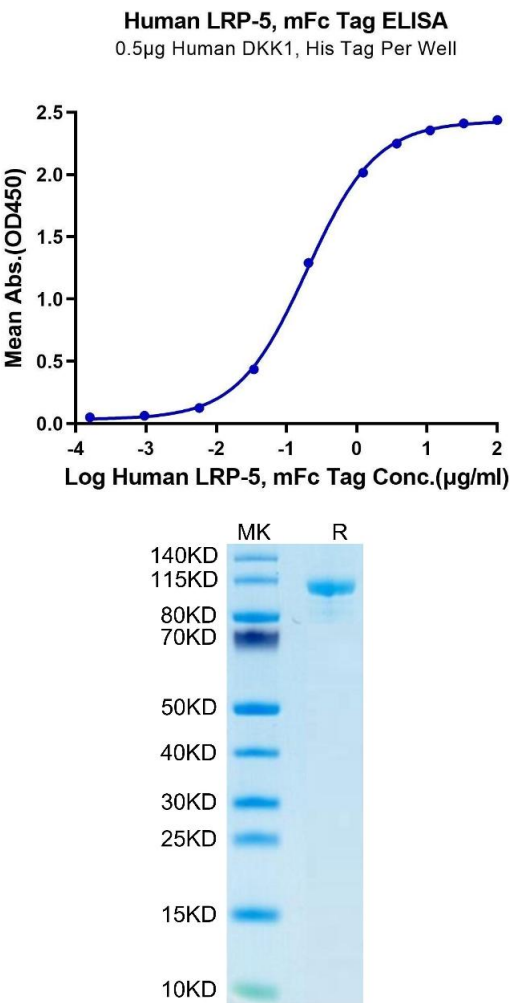
Target:	LRP5
Alternative Name:	LRP-5 (LRP5 Products)
Background:	A role for low-density lipoprotein-related receptor 5 (LRP5) in human bone was first established by the identification of genetic alterations that led to dramatic changes in bone mass. Shortly thereafter, mutations that altered the function of the sclerostin (SOST) gene were also associated with altered human bone mass. Subsequent studies of LRP5 and sclerostin have provided important insights into the mechanisms by which these proteins regulate skeletal homeostasis.
Molecular Weight:	96 kDa. Due to glycosylation, the protein migrates to 100-115 kDa based on Tris-Bis PAGE result.
Pathways:	WNT Signaling , Stem Cell Maintenance , Positive Regulation of fat Cell Differentiation

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



ELISA

Image 1. Immobilized Human DKK1, His Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Human LRP-5, mFc Tag with the EC50 of 0.20 µg/mL determined by ELISA.

SDS-PAGE

Image 2. Human LRP-5 on Tris-Bis PAGE under reduced condition. The purity is greater than 90 % .