

Datasheet for ABIN7275208

LRP5 Protein (AA 644-1263) (Fc Tag)**3** 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 Fc Tag.

Product Details

Purpose:	Human LRP-5 Protein
Sequence:	Glu644-Gln1263
Characteristics:	Recombinant Human LRP-5 Protein is expressed from HEK293 with hFc 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 2µg/ml (100µl/well) on the plate. Dose response curve for Human LRP-5, hFc Tag with the EC50 of 0.62ug/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:	96.51 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

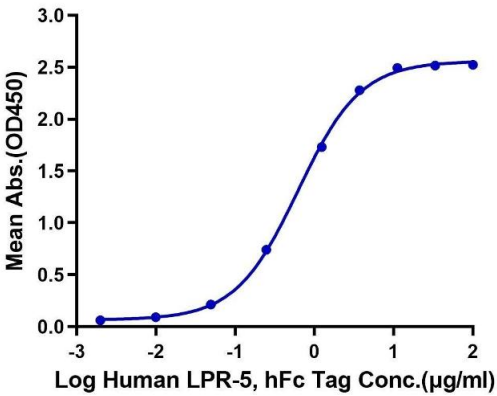
Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in PBS, 100 mM L-arginine (pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

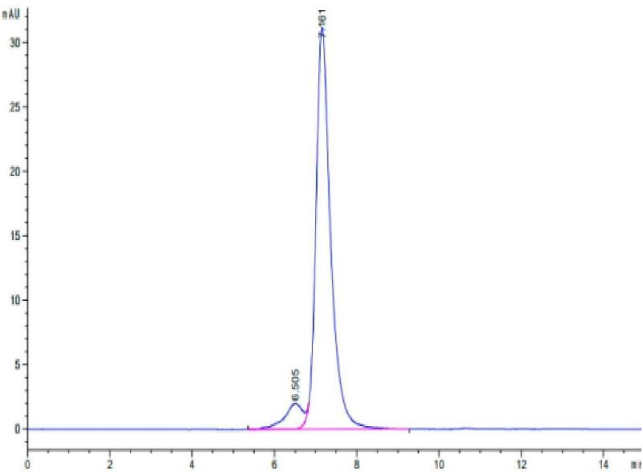
Human LPR-5, hFc Tag ELISA

0.2µg Human DKK1, His Tag Per Well



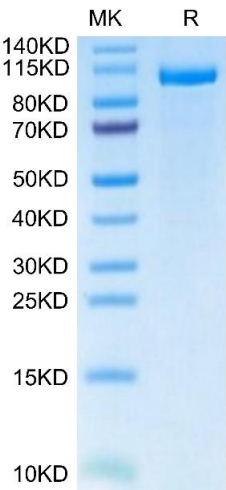
ELISA

Image 1. Immobilized Human DKK1, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Human LPR-5, hFc Tag with the EC50 of 0.62 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human LRP-5 is greater than 90 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human LRP-5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .