

Datasheet for ABIN7274469

DKK1 Protein (AA 32-266) (His-Avi Tag,Biotin)

4 Images

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Overview

Quantity:	100 µg
Target:	DKK1
Protein Characteristics:	AA 32-266
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DKK1 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human DKK1 Protein
Sequence:	Thr32-His266
Characteristics:	Recombinant Biotinylated Human DKK1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Thr32-His266.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Biotinylated Human DKK1, His Tag at 5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human LRP-6, mFc Tag with the EC50 of 3.2ug/ml determined by ELISA. See testing image for detail.

Target Details

Target:	DKK1
Alternative Name:	DKK1 (DKK1 Products)
Background:	Dickkopf related protein 1 (Dkk-1) is the founding member of the Dickkopf family of proteins that includes Dkk-1, -2, -3, -4, and a related protein, Soggy. Dkk proteins are secreted proteins that contain two conserved cysteine-rich domains separated by a linker region. Dkk antagonizes canonical Wnt signaling by inhibiting LRP5/6 interaction with Wnt and by forming a ternary complex with the transmembrane protein KREMEN that promotes internalization of LRP5/6. DKKs play an important role in vertebrate development, where they locally inhibit Wnt regulated processes such as antero-posterior axial patterning, limb development, somitogenesis and eye formation.
Molecular Weight:	28.5 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
UniProt:	O94907
Pathways:	WNT Signaling , Regulation of Muscle Cell Differentiation , Positive Regulation of fat Cell Differentiation

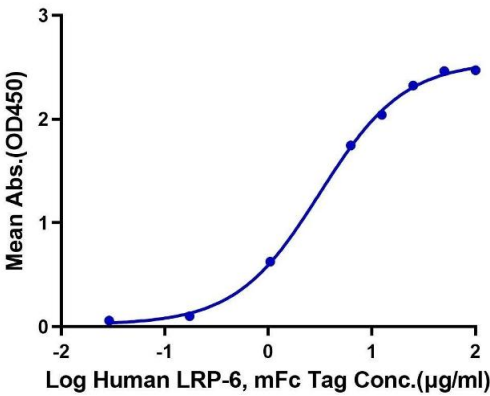
Application Details

Restrictions:	For Research Use only
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Handling

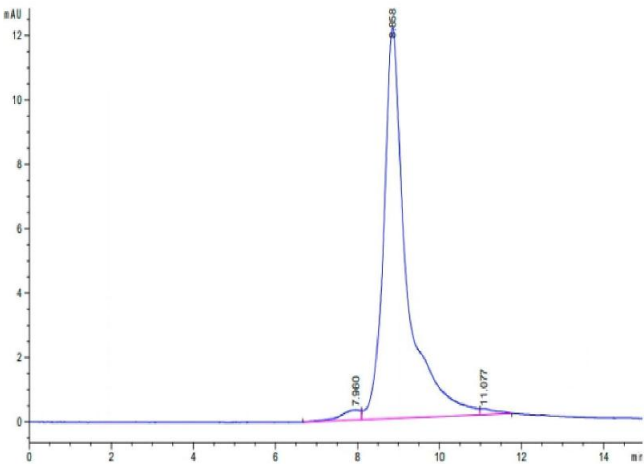
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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

Biotinylated Human DKK1, His Tag ELISA
0.5µg Biotinylated Human DKK1, His Tag Per Well



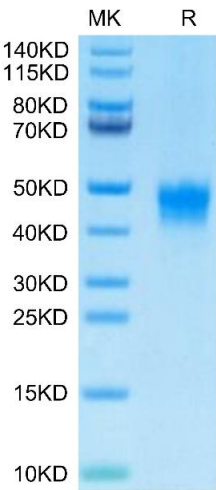
ELISA

Image 1. Immobilized Biotinylated Human DKK1, His Tag at 5 µg/mL (100 µL/well) on the streptavidin precoated plate (5 µg/mL). Dose response curve for Human LRP-6, mFc Tag with the EC50 of 3.2 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human DKK1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Biotinylated Human DKK1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274469.