



[Go to Product page](#)

Datasheet for ABIN7274475

DKK1 Protein (C-Term) (Fc-Avi Tag,Biotin)

3 Images

Overview

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

Product Details

Purpose:	Biotinylated Human DKK1 C terminal Domain Protein
Sequence:	Met178-His266
Characteristics:	Recombinant Biotinylated Human DKK1 C terminal Domain Protein is expressed from HEK293 with hFc tag and Avi tag at the C-Terminus.It contains Met178-His266.
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 LRP-6, mFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human DKK1 C terminal Domain, hFc Tag with the EC50 of 0.85ug/ml determined by ELISA. See testing image for detail.

Target Details

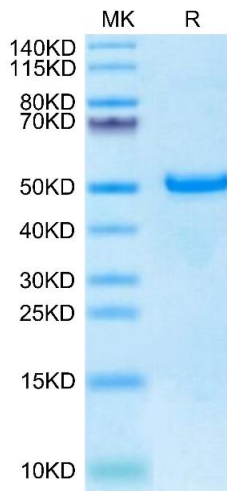
Target:	DKK1
Alternative Name:	DKK1 (DKK1 Products)
Background:	Dickkopf-1 (Dkk1), the founding and best-studied member of the Dkk family, functions as an antagonist of canonical Wnt/ β -catenin. Dkk1 is considered to play a broad role in a variety of biological processes.
Molecular Weight:	38.69 kDa. Due to glycosylation, the protein migrates to 50-55 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

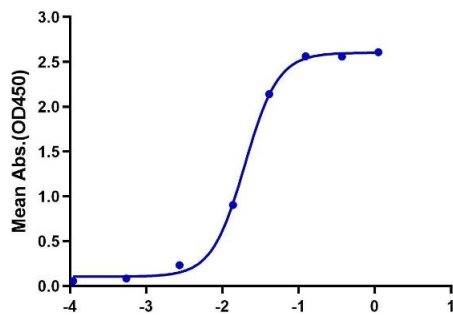
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in 20 mM NaAc, 150 mM NaCl (pH 5.0).
Buffer:	Lyophilized from 0.22 μ m filtered solution in 20 mM NaAc, 150 mM NaCl (pH 5.0). 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



SDS-PAGE

Image 1. Biotinylated Human DKK1 C terminal Domain on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Biotinylated Human DKK1 C terminal Domain, hFc Tag ELISA
0.1µg Anti-DKK1 Antibody, hFc Tag Per Well

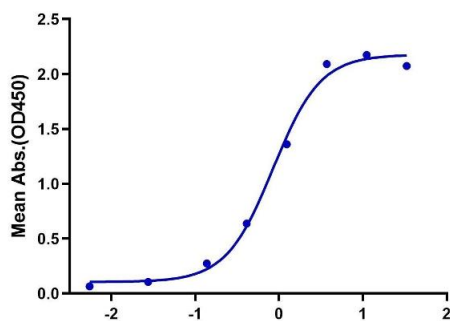


Log Biotinylated Human DKK1 C terminal Domain, hFc Tag Conc.(µg/ml)

ELISA

Image 2. Immobilized Anti-DKK1 Antibody, hFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human DKK1 C terminal Domain, hFc Tag with the EC50 of 19.7 ng/mL determined by ELISA.

Biotinylated Human DKK1 C terminal Domain, hFc Tag ELISA
0.5µg Human LRP-6, mFc Tag Per Well



Log Biotinylated Human DKK1 C terminal Domain, hFc Tag Conc.(µg/ml)

ELISA

Image 3. Immobilized Human LRP-6, mFc Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human DKK1 C terminal Domain, hFc Tag with the EC50 of 0.85 µg/mL determined by ELISA.