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Datasheet for ABIN7274472

DKK1 Protein (AA 32-142) (Fc-Avi Tag)

3 Images

Overview

Quantity:	100 µg
Target:	DKK1
Protein Characteristics:	AA 32-142
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DKK1 protein is labelled with Fc-Avi Tag.

Product Details

Purpose:	Human DKK1 N terminal Domain Protein
Sequence:	Thr32-Asp142
Characteristics:	Recombinant Human DKK1 N terminal Domain Protein is expressed from HEK293 with hFc tag and Avi tag at the C-Terminus.It contains Thr32-Asp142.
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 Human DKK1 N terminal Domain, hFc Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human LRP-6, mFc Tag with the EC50 of 2.8µg/ml determined by ELISA. See testing image for detail.

Target Details

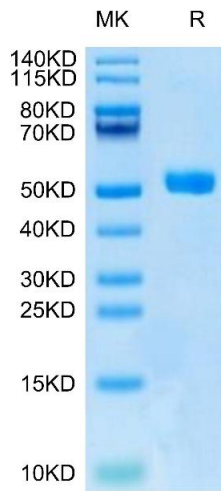
Target:	DKK1
Alternative Name:	DKK1 (DKK1 Products)
Background:	Dickkopf-1 (Dkk1), the founding and best-studied member of the Dkk family, functions as an antagonist of canonical Wnt/ β -catenin. Dkk1 is considered to play a broad role in a variety of biological processes.
Molecular Weight:	40.25 kDa. Due to glycosylation, the protein migrates to 50-60 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 distilled water.
Buffer:	Lyophilized from 0.22 μ m 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

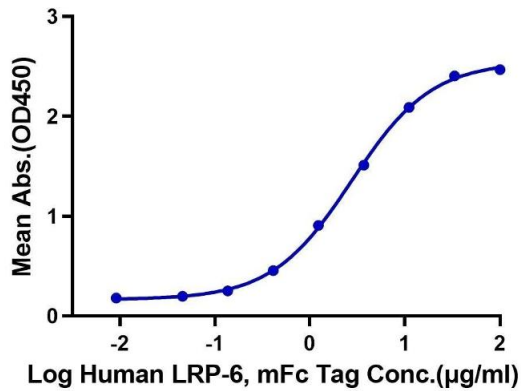


SDS-PAGE

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

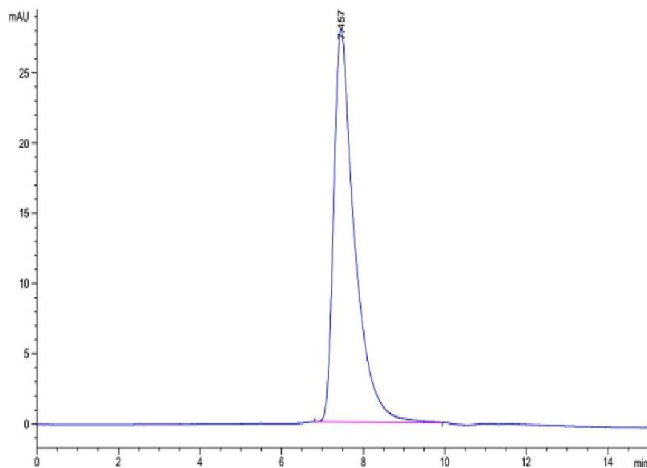
Human DKK1 N terminal Domain, hFc Tag ELISA

0.2µg Human DKK1 N terminal Domain, hFc Tag Per Well



ELISA

Image 2. Immobilized Human DKK1 N terminal Domain, hFc Tag at 2 µg/mL (100 µL/Well) on the plate. Dose response curve for Human LRP-6, mFc Tag with the EC50 of 2.8 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human DKK1 N terminal Domain is greater than 95 % as determined by SEC-HPLC.