



[Go to Product page](#)

Datasheet for ABIN7274467

## DKK1 Protein (AA 32-266) (His tag)

### 3 Images

#### Overview

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

#### Product Details

Purpose:	Cynomolgus/Rhesus macaque DKK1 Protein
Sequence:	Thr32-His266
Characteristics:	Recombinant Cynomolgus/Rhesus macaque DKK1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr32-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 Cynomolgus/Rhesus macaque DKK1, His Tag at 0.2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-DKK1 Antibody, hFc Tag with the EC50 of 8.4ng/ml determined by ELISA. See testing image for detail.

## Target Details

---

Target:	DKK1
Alternative Name:	DKK1 ( <a href="#">DKK1 Products</a> )
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:	26.85 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
NCBI Accession:	<a href="#">XP_005565907</a> , <a href="#">NP_001247454</a>
Pathways:	<a href="#">WNT Signaling</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Positive Regulation of fat Cell Differentiation</a>

## Application Details

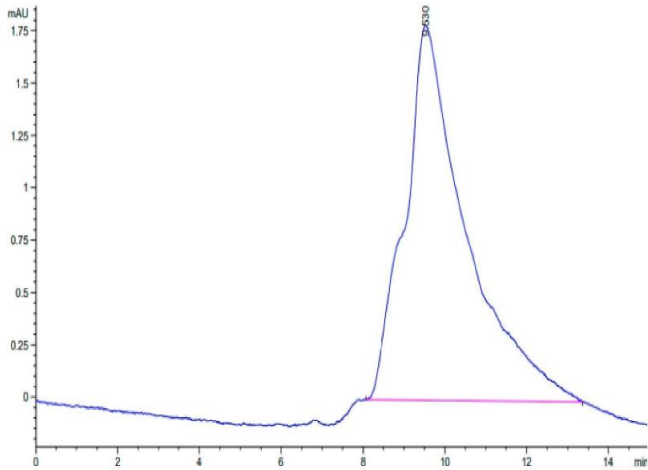
---

Restrictions: For Research Use only

## Handling

---

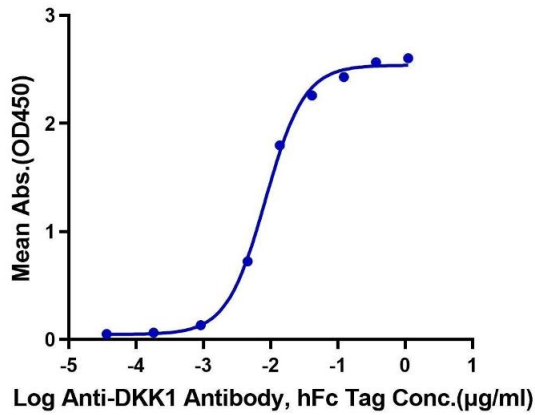
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant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



**Size-exclusion chromatography-High Pressure Liquid Chromatography**

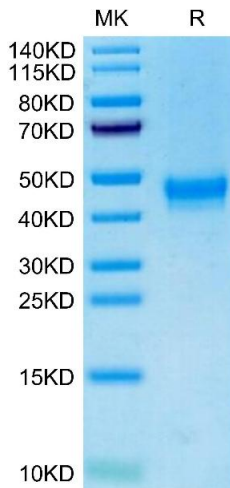
**Image 1.** The purity of Cynomolgus/Rhesus macaque DKK1 is greater than 95 % as determined by SEC-HPLC.

**Cynomolgus/Rhesus macaque DKK1, His Tag ELISA**  
0.02µg Cynomolgus/Rhesus macaque DKK1, His Tag Per Well



**ELISA**

**Image 2.** Immobilized Cynomolgus/Rhesus macaque DKK1, His Tag at 0.2 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-DKK1 Antibody, hFc Tag with the EC50 of 8.4 ng/mL determined by ELISA.



**SDS-PAGE**

**Image 3.** Cynomolgus/Rhesus macaque DKK1 Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.