

# Biotinylated Human DKK1 C terminal Domain Protein

Cat. No. DKK-HM51CB

## Description

<b>Source</b>	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.
<b>Accession</b>	O94907
<b>Molecular Weight</b>	The protein has a predicted MW of 38.69 kDa. Due to glycosylation, the protein migrates to 50-55 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

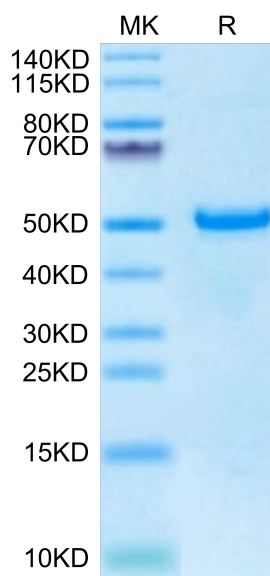
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in 20mM NaAc, 150mM NaCl (pH 5.0). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in 20mM NaAc, 150mM NaCl (pH 5.0).
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Dickkopf-1 (Dkk1), the founding and best-studied member of the Dkk family, functions as an antagonist of canonical Wnt/ $\beta$ -catenin. Dkk1 is considered to play a broad role in a variety of biological processes.

## Assay Data

### Bis-Tris PAGE



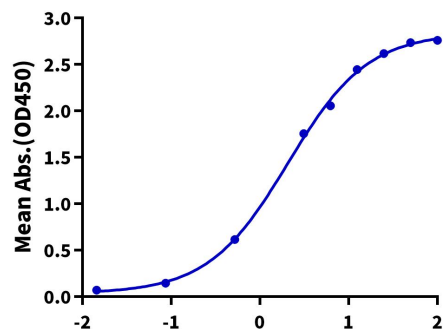
Biotinylated Human DKK1 C terminal Domain on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

## Assay Data

### Biotinylated DKK1 C terminal Domain, hFc Tag ELISA

0.5µg Human LRP-6, mFc Tag Per Well



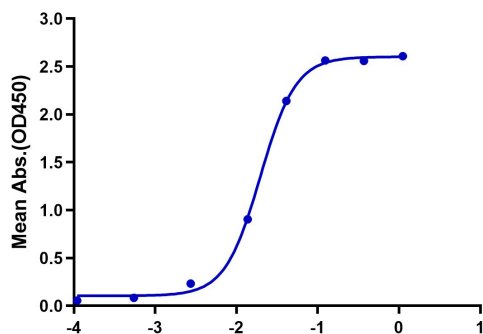
Immobilized Human LRP-6, mFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated DKK1 C terminal Domain, hFc Tag with the EC50 of 2.07µg/ml determined by ELISA (QC Test).

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

## ELISA Data

### Biotinylated Human DKK1 C terminal Domain, hFc Tag ELISA

0.1µg Anti-DKK1 Antibody, hFc Tag Per Well



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

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