

Biotinylated Human DKK1 C terminal Domain Protein

Cat. No. DKK-HM51CB

Description

Source	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.
Accession	O94907
Molecular Weight	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.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

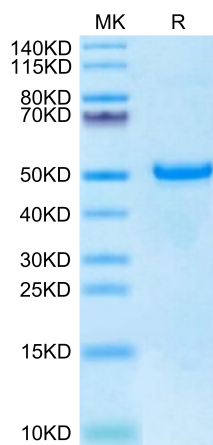
Formulation	Lyophilized from 0.22 μm filtered solution in 20mM NaAc, 150mM NaCl (pH 5.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in 20mM NaAc, 150mM NaCl (pH 5.0).
Storage	-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/ β -catenin. Dkk1 is considered to play a broad role in a variety of biological processes.

Assay Data

Bis-Tris PAGE

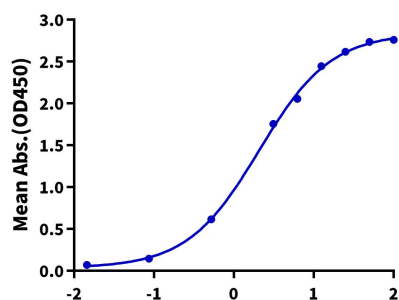


Biotinylated Human DKK1 C terminal Domain on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Biotinylated DKK1 C terminal Domain, hFc Tag ELISA

0.5 μg Human LRP-6, mFc Tag Per Well



Immobilized Human LRP-6, mFc Tag at 5 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) on the plate. Dose response curve for Biotinylated DKK1 C terminal Domain, hFc Tag with the EC50 of 2.07 $\mu\text{g}/\text{ml}$ determined by ELISA (QC Test).

Log Biotinylated DKK1 C terminal Domain, hFc Tag Conc. ($\mu\text{g}/\text{ml}$)

Biotinylated Human DKK1 C terminal Domain Protein

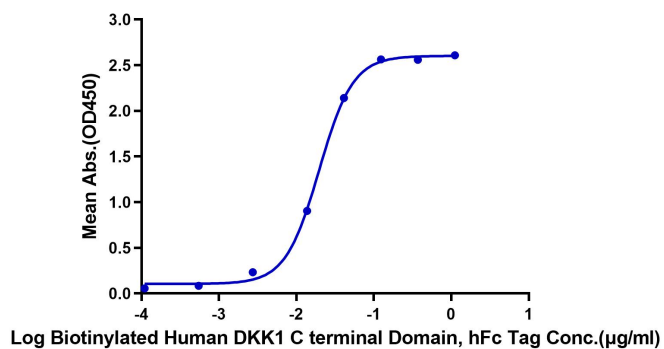
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Assay Data

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).