

Cynomolgus/Rhesus macaque DKK1 Protein



Cat. No. DKK-CM301

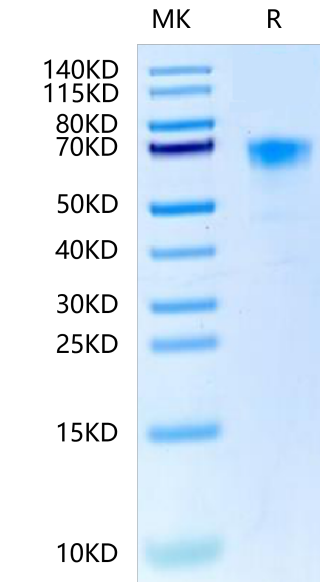
Description	
Source	Recombinant Cynomolgus/Rhesus macaque DKK1 Protein is expressed from HEK293 with mFc (IgG1) tag at the C-Terminus. It contains Thr32-His266.
Accession	XP_005565907.1(Cynomolgus) / NP_001247454.1(Rhesus macaque)
Molecular Weight	The protein has a predicted MW of 51.42 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
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 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.	

Assay Data

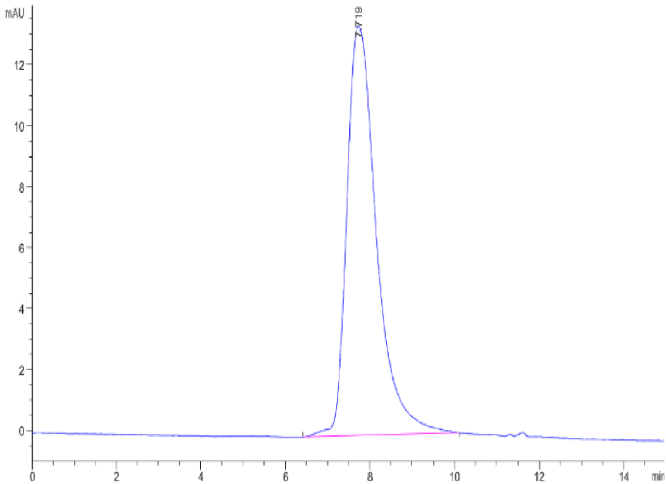
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

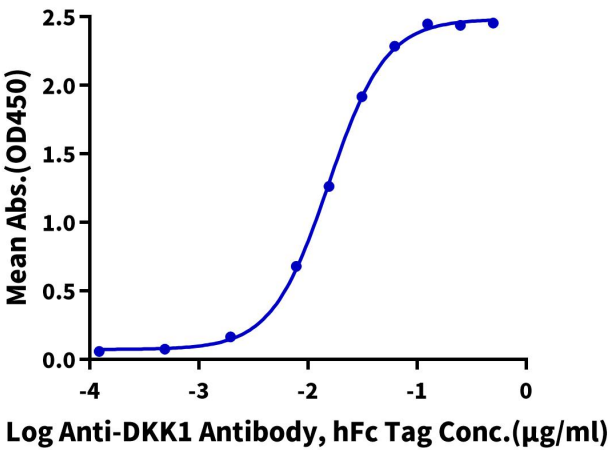


The purity of Cynomolgus/Rhesus macaque DKK1 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus/Rhesus macaque DKK1, mFc Tag ELISA

0.1µg Cynomolgus/Rhesus macaque DKK1, mFc Tag Per Well



Immobilized Cynomolgus/Rhesus macaque DKK1, mFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-DKK1 Antibody, hFc Tag with the EC50 of 15.5ng/ml determined by ELISA (QC Test).