Cynomolgus DLK1 Protein, Ultra Low Endotoxin

Cat. No. DLK-CM101-UL

Description

Source	Recombinant Cynomolgus DLK1 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Ala24-Cys306.
Accession	XP_005562275.1
Molecular Weight	The protein has a predicted MW of 31.26 kDa. Due to glycosylation, the protein migrates to 42-52 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

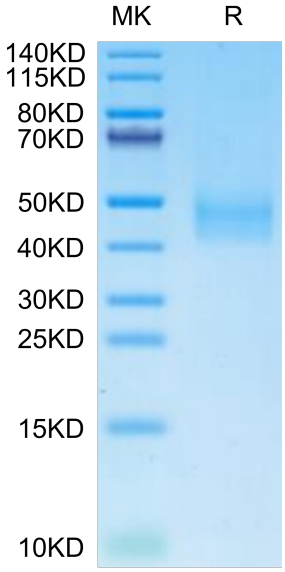
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

paternally inherited genetic defects of DLK1 were identified in four families with nonsyndromic CPP and a metabolic phenotype. DLK1 encodes a transmembrane protein that is important for adipose tissue homeostasis and neurogenesis and is located in the imprinted chromosome 14q32 region associated with Temple syndrome.

Assay Data

Bis-Tris PAGE



Cynomolgus DLK1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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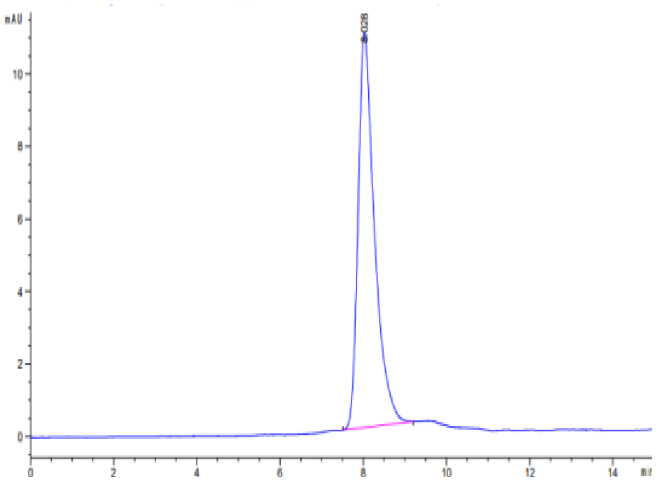
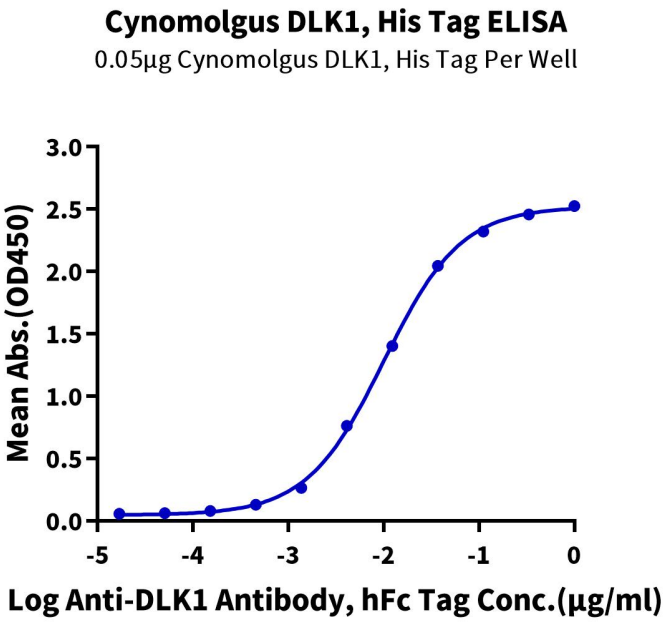
Assay Data



The purity of Cynomolgus DLK1 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Cynomolgus DLK1, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-DLK1 Antibody, hFc Tag with the EC50 of 10.1ng/ml determined by ELISA.