

Human DKK1 N terminal Domain Protein

Cat. No. DKK-HM50N

Description

Source	Recombinant Human DKK1 N terminal Domain Protein is expressed from HEK293 with hFc tag and Avi tag at the C-Terminus. It contains Thr32-Asp142.
Accession	O94907
Molecular Weight	The protein has a predicted MW of 40.25 kDa. Due to glycosylation, the protein migrates to 50-60 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 > 95% as determined by HPLC

Formulation and Storage

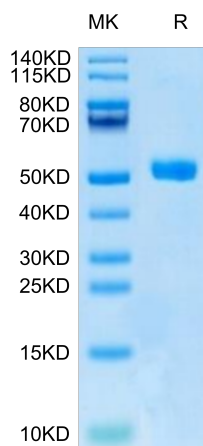
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
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.

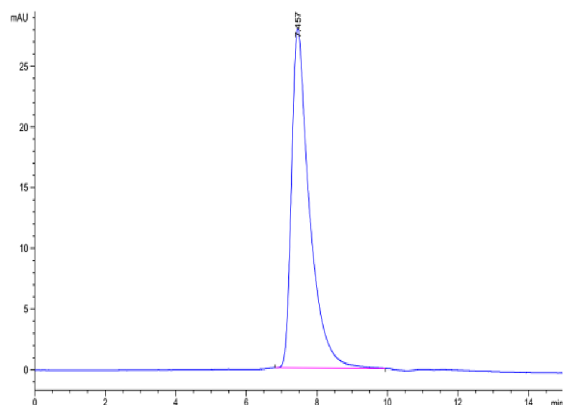
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



The purity of Human DKK1 N terminal Domain is greater than 95% as determined by SEC-HPLC.