Human DKK3 Protein

Cat. No. DKK-HM403

Description

Source	Recombinant Human DKK3 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Pro23-Ile350.
Accession	Q9UBP4
Molecular Weight	The protein has a predicted MW of 39.5 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

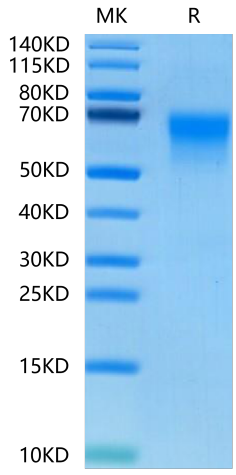
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Dkk-3, also known as REIC (Reduced Expansion in Immortalized Cells), is one of four numbered members of the Dickkopf family of Wnt antagonists.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. In the adult, Dkks are implicated in bone formation and bone disease, cancer and Alzheimer disease.

Assay Data

Tris-Bis PAGE



Human DKK3 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

SEC-HPLC

For Research Use Only

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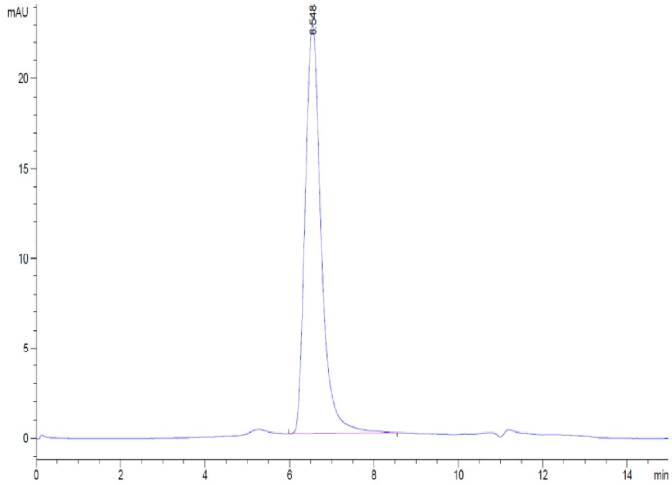

The purity of Human DKK3 is greater than 95% as determined by SEC-HPLC.

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