

# Biotinylated Human DKK3 Protein



Cat. No. DKK-HM403B

## Description

|                         |   |
|-------------------------|---|
| <b>Source</b>           | Recombinant Biotinylated Human DKK3 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.<br>It contains Pro23-Ile350. |
| <b>Accession</b>        | Q9UBP4  |
| <b>Molecular Weight</b> | The protein has a predicted MW of 39.5 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.            |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.   |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE<br>> 95% as determined by HPLC   |

## Formulation and Storage

|                       |   |
|-----------------------|---|
| <b>Formulation</b>    | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.  |
| <b>Reconstitution</b> | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.  |
| <b>Storage</b>        | -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



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

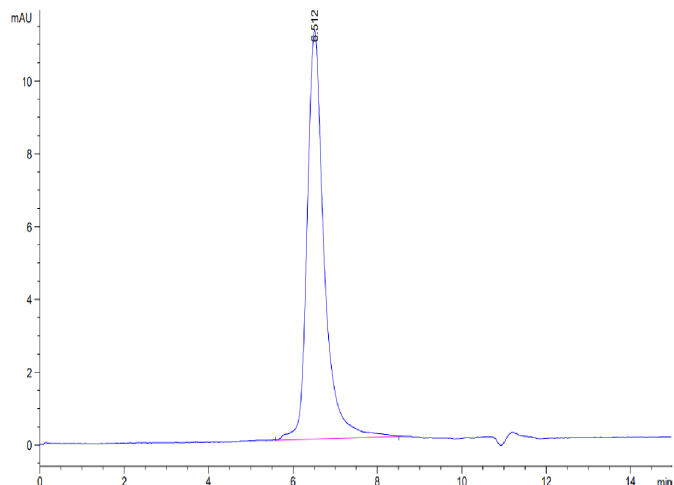
### SEC-HPLC

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## Assay Data



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