

# Recombinant Mouse Dkk-3 Protein

Catalog No.: RP01894 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	50781	Q9QUN9

### Tags

C-His

### Synonyms

Dkk3; Dickkopf-related protein 3;  
Dickkopf-3; Dkk-3; mDkk-3

## Product Information

Source	Purification
HEK293 cells	

Calculated MW	Observed MW
37.14 kDa	55-70 kDa

### Endotoxin

&lt;0.01EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening.  
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Background

DKK3 (dickkopf related protein 3) is a member of the dickkopf-related family consisting of DKK1, DKK2, DKK3 and DKK4. It is a secreted protein, and also known as REIC (Reduced Expansion in Immortalized Cells). The DKK3 protein is proposed to function as a secreted tumor suppressor since it is downregulated in a number of cancer cells and prostate cancer tissue and may be a promising candidate molecule for therapeutic interference. DKK3 protein is also a negative regulator of beta-catenin and its downregulation contribute to an activation of the beta-catenin signaling pathway.

## Basic Information

### Description

Recombinant Mouse Dkk-3 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala 22 - Ile 349) of Mouse Dkk-3 (Accession #NP\_056629.1) fused with a His tag at the C-terminus.

### Bio-Activity

Measured by its ability to inhibit proliferation of HeLa human cervical epithelial carcinoma cells. The ED<sub>50</sub> for this effect is 9.66-38.64 μg/mL, corresponding to a specific activity of 2.59×10<sup>1</sup>~1.04×10<sup>2</sup> units/mg.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

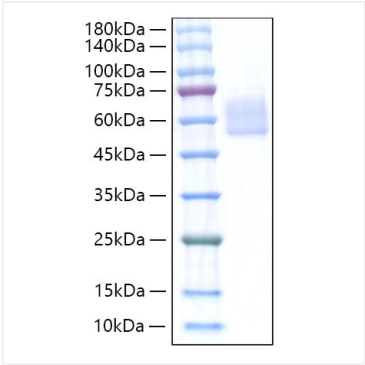
## Contact

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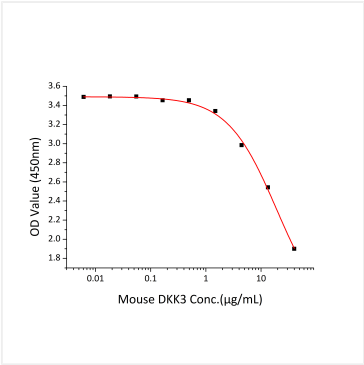
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Validation Data



Recombinant Mouse Dkk-3 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-50kDa.



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