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# Recombinant Human Dkk-3 Protein

**Catalog No.: RP00209** Recombinant

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---|---|---|
| Human | 27122 | Q9UBP4 |

**Tags**
C-His

**Synonyms**
DKK3;REIC;RIG; RIG; CRRL; REIC

## Product Information

| Source | Purification |
|---|---|
| HEK293 cells | ≥ 95 % as determined by SDS-PAGE. |

| Calculated MW | Observed MW |
|---|---|
| 37.12 kDa | 50-65 kDa |

**Endotoxin**
< 0.1 EU/μg of the protein by LAL method.

**Formulation**
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

**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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact


400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn


## 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 . Dkk-3 is a secreted monomer expressed in many normal human tissues, most strongly in heart, brain and spinal cord, and during early embryonic development in the mouse.Dkk-3 contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. 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. 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 Human Dkk-3 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala22-Ile350) of human Dkk-3/DKK3 (Accession #NP_037385.2 ) fused with a 6×His tag at the C-terminus.

**Bio-Activity**

**Shipping**
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

**Storage**
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

**Operational Notes**
For your safety and health, please wear a lab coat and disposable gloves for handling.

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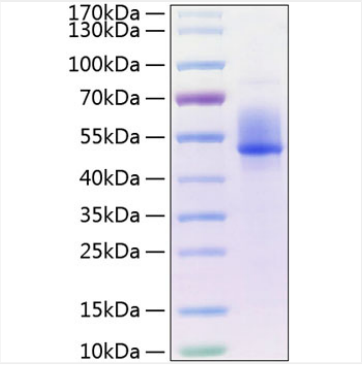
## Validation Data




Recombinant Human Dkk-3 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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