

**Human CellExp DKK3, human recombinant protein**  
**DKK3, REIC, RIG**  
**Catalog # PBV10873r****Specification**

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**Human CellExp DKK3, human recombinant protein - Product info**Primary Accession  
Calculated MW[Q9UBP4](#)

This protein is fused with 6×His tag at the C-terminus, has a calculated MW of 37.6 kDa. The predicted N-terminus is Pro 23. DTT-reduced Protein migrates as 50-60 kDa due to glycosylation. KDa

**Human CellExp DKK3, human recombinant protein - Additional Info**Gene ID  
Gene Symbol  
**Other Names**  
DKK3, REIC, RIG**27122**  
**DKK3**Gene Source  
Source  
Assay&Purity  
Assay2&Purity2  
Recombinant  
**Target/Specificity**  
DKK3**Human**  
**HEK 293 cells**  
**SDS-PAGE; ≥95%**  
**HPLC;**  
**Yes****Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

**Format**

Lyophilized powder

**Storage**

-20°C; Lyophilized from 0.22 µm filtered solution in PBS. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

**Human CellExp DKK3, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Human CellExp DKK3, human recombinant protein - Images**

#### **Human CellExp DKK3, human recombinant protein - Background**

Members of the Dickkopf-related protein family (DKK-1, -2, -3, and -4) are secreted proteins with two cysteine-rich domains separated by a linker region. And DKK3 has been proposed as tumor suppressor gene and a marker for tumor blood vessels. DKK3 is the only DKK family member abundantly expressed in normal lung, but silenced by promoter hypermethylation in a large fraction of lung cancer cell lines and lung tumors. Downregulation of DKK3 was correlated with tumor progression and expression of nuclear beta-catenin in lung tumors. Ectopic expression of DKK3 in lung cancer cells with DKK3 hypermethylation induced apoptosis and inhibited TCF-4 activity as well as nuclear accumulation of beta-catenin and expression of TCF-4 targets c-Myc and cyclin D1. DKK3 modulates FGF and Activin/Nodal signaling to regulate mesoderm induction during early Xenopus development, was reported.

#### **Human CellExp DKK3, human recombinant protein - References**

Krupnik V.E., et al. Gene 238:301-313(1999).  
Tsuji T., et al. Biochem. Biophys. Res. Commun. 268:20-24(2000).  
Kobayashi K., et al. Gene 282:151-158(2002).  
Tanaka S., et al. Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.  
Tate G., et al. Submitted (NOV-1999) to the EMBL/GenBank/DDBJ databases.