

Active Recombinant Human DKK1 protein, His-tagged

Cat. No. DKK1-023H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DKK1 (NP_036374.1) (Met 2-His 266) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Met 2-His 266
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit Wnt3a-induced alkaline phosphatase production by C3H10T1/2 cells. The ED50 for this effect is approximately 0.1-0.4 µg/ml in the presence of 10 ng/mL of mouse Wnt3a.
Molecular Mass	The recombinant human DKK1 protein consists of 246 amino acids and has a calculated molecular mass of 27.22 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh DKK1 is approximately 42.9 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name DKK1 dickkopf 1 homolog (Xenopus laevis) [Homo sapiens]

Official Symbol DKK1

Synonyms DKK1; dickkopf 1 homolog (Xenopus laevis); dickkopf (Xenopus laevis) homolog 1; dickkopf-related protein 1; DKK 1; SK; hDkk-1; dickkopf-1 like; dickkopf related protein-1; DKK-1;

Gene ID 22943

mRNA Refseq NM_012242

Protein Refseq NP_036374

MIM 605189

UniProt ID O94907

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