

## Active Recombinant Human DKK1 protein, Fc-Avi-tagged, Biotinylated

**Cat. No.** DKK1-278H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Recombinant Human DKK1 protein(Thr 32 - His 266), fused with Fc and Avi tag, was expressed in HEK293.                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 32-266 a.a.                                                                                                                                                                                                                               |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.                                                                               |
| <b>Bio-activity</b>     | Immobilized Biotinylated Human Dkk-1, Fc,Avitag at 5 µg/mL (100 µL/well) on Streptavidin precoated (0.5 µg/well) plate, can bind Human LRP-5, Mouse IgG2a Fc Tag with a linear range of 0.5-16 ng/mL.                                     |
| <b>Molecular Mass</b>   | This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag (Avitag™).The protein has a calculated MW of 54.0 kDa. The protein migrates as 66-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Proteinlength</b>    | Thr32-His266                                                                                                                                                                                                                              |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | >95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| <b>Reconstitution</b>   | 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.                                                                                                       |
| <b>Conjugation</b>      | Biotin                                                                                                                                                                                                                                                                              |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | DKK1 dickkopf 1 homolog (Xenopus laevis) [ Homo sapiens ]                                                                                                                                                                                                                           |
| <b>Official Symbol</b>  | DKK1                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>         | 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;                                                                                                  |
| <b>Gene ID</b>          | 22943                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_012242                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_036374                                                                                                                                                                                                                                                                           |
| <b>MIM</b>              | 605189                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>       | O94907                                                                                                                                                                                                                                                                              |

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