

## Dkk-1 recombinant protein

Recombinant Human Dkk-1 Protein

CATALOG #  
AAA282467

HOST  
HEK293 cells

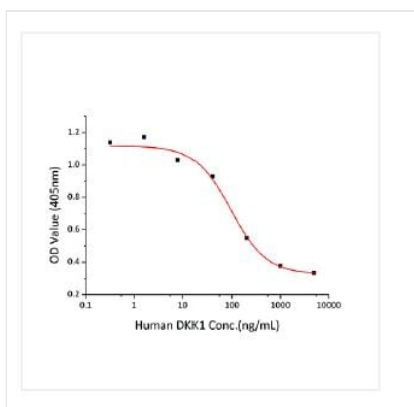
### PRODUCT SYNONYMS

Dkk-1; Recombinant Human Dkk-1 Protein; DKK1; DKK-1; SK; Dkk-1 recombinant protein

### PRODUCT SPECIFICATIONS

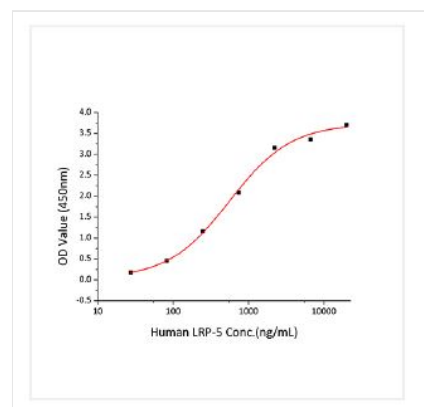
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | HEK293 cells                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Purity/Purification     | > 95% by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Form/Format             | Liquid<br>Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.                                                                                                                                                                                                                                                                                                                                                                                 |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tag                     | C-His                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Bioactivity             | <ol style="list-style-type: none"> <li>1. Measured by its binding ability in a functional ELISA. Immobilized Human DKK-1 at 5 ug/mL (100 uL/well) can bind Human LRP-5 with a linear range of 0.027-0.559 ug/mL.</li> <li>2. Measured by its ability to inhibit Wnt3a-induced alkaline phosphatase production by C3H10T1/2 cells. The EC50 for this effect is approximately 95 ng/ml in the presence of 2 ug/mL of Recombinant Human Wnt3a.</li> </ol> |
| Preparation and Storage | Store the lyophilized protein at -20 to -80 degree C for 12 months. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week. Avoid repeated freeze/thaw cycles.<br>Ship: Ice Pack                                                                                                                                                                                                          |

### IMAGES



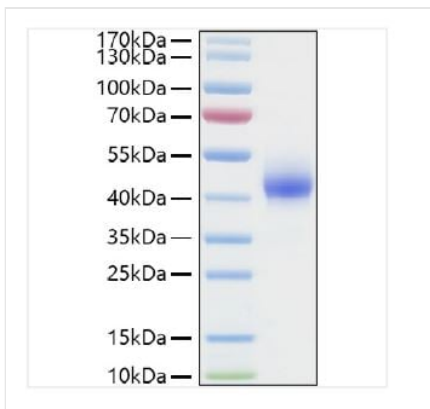
#### Application Data

Recombinant Human Dkk-1 inhibit Wnt3a-induced alkaline phosphatase production by C3H10T1/2 cells. The EC50 for this effect is approximately 95 ng/ml in the presence of 2 ug/mL of Recombinant Human Wnt3a.



#### Application Data

Immobilized Human DKK-1 at 5 ug/mL (100 uL/well) can bind Human LRP-5 with a linear range of 0.027-0.559 ug/mL.



#### SDS-PAGE

Active Recombinant Human Dkk-1 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 40-45 kDa.

### ADDITIONAL INFORMATION

|                                                                  |                                                                                                                                                                                                                             |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for Dkk-1 recombinant protein</b> | Recombinant Human Dkk-1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Thr32-His266) of human DKK-1 (Accession #NP_036374.1) fused with 6×His tag at the C-terminus. |
| <b>Product Categories/Family for Dkk-1 recombinant protein</b>   | <a href="#">Other Recombinant Protein</a>                                                                                                                                                                                   |

### NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                              |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">7110719</a>                                                                                                      |
| <b>NCBI GeneID</b>                      | <a href="#">22943</a>                                                                                                        |
| <b>NCBI Accession #</b>                 | <a href="#">NP_036374.1</a>                                                                                                  |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_012242.2</a>                                                                                                  |
| <b>UniProt Accession #</b>              | <a href="#">O94907</a> ; <a href="#">B2RC19</a>                                                                              |
| <b>Molecular Weight</b>                 | 28,672 Da                                                                                                                    |
| <b>NCBI Official Full Name</b>          | dickkopf-related protein 1                                                                                                   |
| <b>NCBI Official Synonym Full Names</b> | dickkopf WNT signaling pathway inhibitor 1                                                                                   |
| <b>NCBI Official Symbol</b>             | DKK1                                                                                                                         |
| <b>NCBI Official Synonym Symbols</b>    | SK; DKK-1                                                                                                                    |
| <b>NCBI Protein Information</b>         | dickkopf-related protein 1; hDkk-1; dickkopf-1 like; dickkopf 1 homolog; dickkopf-like protein 1; dickkopf related protein-1 |
| <b>UniProt Protein Name</b>             | Dickkopf-related protein 1                                                                                                   |
| <b>UniProt Gene Name</b>                | <b>DKK1</b>                                                                                                                  |
| <b>UniProt Synonym Gene Names</b>       | Dickkopf-1; Dkk-1; hDkk-1                                                                                                    |
| <b>UniProt Entry Name</b>               | DKK1_HUMAN                                                                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/dkk1-recombinant-protein-hek293-cells/282467>