

Recombinant Human DKK2 protein, Fc/His-tagged

Cat. No. DKK2-277H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DKK2 fused with N-terminal Fc tag and C-terminal His was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a protein that is a member of the dickkopf family. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. It can act as either an agonist or antagonist of Wnt/beta-catenin signaling, depending on the cellular context and the presence of the co-factor kremen 2. Activity of this protein is also modulated by binding to the Wnt co-receptor LDL-receptor related protein 6 (LRP6).
Form	Lyophilized from a 0.2 M filtered solution of 20mM PB, 150mM NaCl, pH7.2
Molecular Mass	58.9 kDa
AA Sequence	EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPE VKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKA LPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESN GQPENNYKTTTPVLDSGSSFFLYSKLTVDKSRWQQGNVFCSSVMHEALHNHYTQK SLSLSPGKVDGGGSGGGSGGSRKRMAALMRKDSKSSCCLLLLAAVLMVESSQIG SSRAKLNSIKSSLGGETPGQAANRSAGMYQGLAFGGSKKGNLGGAYPCSSDKEC EVGRYCHSPHQGSSACMVCRRKKRCHRDRGMCCPSTRCNNGICIPVTESILTPHIP

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ALDGTQHRDRNHGHYSNHDLGWQNLGRPHTKMSHIKGHEGDPCLRSSDCIEGFCC
 ARHFWTKICKPVLHQGEVCTKQRKKGSHGLEIFQRCDCAKGLSCKVWKDATYSSKA
 RLHVCQKIVDHHHHHH

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Concentration Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name [DKK2 dickkopf 2 homolog \(Xenopus laevis\) \[Homo sapiens \]](#)

Official Symbol [DKK2](#)

Synonyms DKK2; dickkopf 2 homolog (Xenopus laevis); dickkopf (Xenopus laevis) homolog 2; dickkopf-related protein 2; hDkk-2; dickkopf-2; dickkopf homolog 2; dickkopf related protein-2; DKK-2;

Gene ID [27123](#)

mRNA Refseq [NM_014421](#)

Protein Refseq [NP_055236](#)

MIM [605415](#)

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UniProt ID

Q9UBU2

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