

Recombinant Human DKK2, His-tagged

Cat. No. DKK2-12012H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DKK2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-259a.a.
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).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

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

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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
UniProt ID	Q9UBU2
Chromosome Location	4q25
Pathway	Presenilin action in Notch and Wnt signaling, organism-specific biosystem; Wnt signaling pathway, organism-specific biosystem; Wnt signaling pathway, conserved biosystem;

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