

Recombinant Human DKK2

Cat. No. DKK2-56H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Dickkopf Related Protein 2 was expressed in yeast.
Species	Human
Source	Yeast
Description	Dickkopf-related protein 2 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). Northern blot analysis revealed expression of 4.0- and 4.5-kb DKK2 transcripts in heart, brain, skeletal muscle, and lung. Western blot analysis showed that DKK2 is secreted as a 15- to 17-kD protein. Functional analysis determined that DKK2 does not block Xenopus Wnt8 induction of a secondary axis in frog embryos.
Form	Lyophilized from sterile 20mM PB, 240mM NaCl, pH 6.0.
Molecular Mass	12.9kDa
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE

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Applications	Western blotting, ELISA
Storage	Store it under sterile conditions at -20°C to -105°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.
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
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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