

Active Recombinant Mouse Dickkopf Homolog 2 (Xenopus laevis)

Cat. No. Dkk2-401M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Dkk2 protein was expressed in <i>Spodoptera frugiperda</i> , Sf 21 (baculovirus)-derived. Ser26-Ile259, with a C-terminal 10-His tag.
Species	Mouse
Source	<i>S. frugiperda</i>
Protein Length	26-259 a.a.
Description	Dkk2 is a member of the Dickkopf family of secreted Wnt modulators. Dkk proteins contain a signal peptide and two conserved cysteine-rich domains that are separated by a linker region. The second cysteine-rich domain mediates Dkk2 binding activities, and its interaction with LRP beta propellers has been mapped.
Form	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
N-terminal Sequence	Ser26
Molecular Weight	27.1 kDa
Activity	Measured by its ability to inhibit Wnt-3a-induced alkaline phosphatase production in the presence of BMP2 by MC3T3-E1 mouse osteoblastic cells. Measured in a competitive binding assay. When Recombinant Mouse Kremen1 is immobilized at 4 µg/mL (100 µL/well), Recombinant Mouse Dkk2 inhibits 50% binding of biotinylated

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	Recombinant Human Dkk1 (200 ng/mL) at the concentration range of 2-8 µg/mL.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS that containing at least 0.1% human or bovine serum albumin.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Dkk2 dickkopf homolog 2 (<i>Xenopus laevis</i>) [<i>Mus musculus</i>]
Official Symbol	Dkk2
Synonyms	Dkk2; dickkopfhomolog 2 (<i>Xenopus laevis</i>); dickkopf-related protein 2; dkk-2; mDkk-2; dickkopf 2; dickkopf-2; dickkopf homolog 1; mCG_50274
Gene ID	56811
mRNA Refseq	NM_020265
Protein Refseq	NP_064661
UniProt ID	Q8BFW0
Chromosome	3

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Location

Pathway

Wntsignaling pathway

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