

Active Recombinant Mouse Dickkopf Homolog 4 (Xenopus laevis), His-tagged

Cat. No. Dkk4-404M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Dkk4 protein was expressed in Murine myeloma cell line, NS0-derived, with a C-terminal 6-His tag. Leu19-Ile221.
Species	Mouse
Source	Mammalian Cells
Protein Length	19-221 a.a.
Description	Dkk4 is a member of the Dickkopf protein family that includes Dkk -1, -2, -3, and -4 and a related protein, Soggy. Expression of Dkk4 has only been shown with sensitive PCR techniques during early embryonic development in mice, in differentiated human ES cells, or in mice that express dominant-active β -catenin elevating Wnt signaling in the forebrain.
Form	Lyophilized from a 0.2 μ m filtered solution in PBS with BSA as a carrier protein.
N-terminal Sequence	Leu19
Molecular Weight	23 kDa
Activity	Measured by its ability to inhibit proliferation in MC3T3-E1 mouse osteoblastic cells. The ED ₅₀ for this effect is typically 1-4 μ g/mL. Optimal concentrations should be determined by each laboratory for each application.

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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	Dkk4 dickkopf homolog 4 (Xenopus laevis) [Mus musculus]
Official Symbol	Dkk4
Synonyms	Dkk4; dickkopf homolog 4 (Xenopus laevis); Dkk-4; MGC25705; dickkopf-related protein 4; dickkopf-4
Gene ID	234130
mRNA Refseq	NM_145592
Protein Refseq	NP_663567
UniProt ID	Q8VEJ3
Chromosome Location	8

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Pathway

Wnt signalingpathway

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