Recombinant Mouse Dickkopf Homolog 1 (Xenopus laevis), His-tagged

Cat. No. Dkk1-2114M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Dkk1 fused with N-terminal his-tag was expressed in*E. coli.*MW =35 kDa.
Species	Mouse
Source	E.coli
Description	Dkk-1 (Dickkopf or Dickkopf-1) is a secreted inhibitor of the Wnt/canonical signaling pathway which mediates a variety of cellular processes. Wnt proteins are extracellular signaling molecules that initiate activation of the canonical pathway by binding low-density lipoprotein receptor-related protein 5&6 (LRP5/6) coreceptors, triggering a cascade of events that stabilize beta-catenin. Wnts mediate osteoblast development and cell-to-cell interactions during embryogenesis, and are also responsible for regulating bone mass in adults during normal bone remodeling processes. Wnts are also found to be expressed during the stationary phase of the cell cycle and are thought to control expansion of bone marrow stromal cells preventing overpopulation in marrow.
Purity	> 95% (SDS-PAGE and Western Blot).
Formulation	Liquid. 50 mM Tris pH 8.5, 250 mM NaCl, 2 mM DTT, 1 mM EDTA.
Application	Western blot Control.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -70°C.

GENE INFORMATION

Gene Name	Dkk1 dickkopf homolog 1 (Xenopus laevis) [Mus musculus]
Synonyms	Dkk1; dickkopf homolog 1 (Xenopus laevis); mdkk-1; dickkopf-related protein 1; dkk-1; dickkopf-1; OTTMUSP00000022079
Gene ID	13380
mRNA Refseq	NM_010051
Protein Refseq	NP_034181
UniProt ID	O54908
Chromosome Location	19 C2
Pathway	Wnt signaling pathway
Function	low-density lipoprotein receptor binding; protein binding

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