Recombinant Human DKK1, GST-tagged

Cat. No. DKK1-12010H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DKK1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	32-191a.a.
Description	This gene encodes a protein that is a member of the dickkopf family. It is a secreted protein with two cysteine rich regions and is involved in embryonic development through its inhibition of the WNT signaling pathway. Elevated levels of DKK1 in bone marrow plasma and peripheral blood is associated with the presence of osteolytic bone lesions in patients with multiple myeloma.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	DKK1 dickkopf 1 homolog (Xenopus laevis) [Homo sapiens]

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

Official Symbol	DKK1
Synonyms	DKK1; dickkopf 1 homolog (Xenopus laevis); dickkopf (Xenopus laevis) homolog 1; dickkopf-related protein 1; DKK 1; SK; hDkk-1; dickkopf-1 like; dickkopf related protein-1; DKK-1;
Gene ID	22943
mRNA Refseq	NM_012242
Protein Refseq	NP_036374
MIM	605189
UniProt ID	O94907
Chromosome Location	10q11.2
Pathway	Direct p53 effectors, organism-specific biosystem; Presenilin action in Notch and Wnt signaling, organism-specific biosystem; Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem; Validated targets of C-MYC transcriptional repression, organism-specific biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem; Wnt signaling network, organism-specific biosystem; Wnt signaling pathway, organism-specific biosystem;
Function	growth factor activity; low-density lipoprotein particle receptor binding; protein binding; receptor antagonist activity; signal transducer activity;

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