Active Recombinant Human DKK1, MIgG2a Fc-tagged

Cat. No. DKK1-385H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human DKK-1 (AAH01539.1)(Thr32-His266) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO cell.
Species	Human
Source	CHO
ProteinLength	32-266 a.a.
Description	This gene encodes a protein that is a member of the dickkopf family. It is a secreted protein with two cysteinerich 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 osteolyticbone lesions in patients with multiple myeloma.
Form	Lyophilized from 0.2μm-filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit Wnt-3a-induced alkaline phosphatase production.
Molecular Mass	52KDa (monomer)
AA Sequence	Thr32-His266
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="" test.="">

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Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

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

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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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