

Active Recombinant Human DKK1 protein

Cat. No. DKK1-276H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DKK1 was expressed in HEK293.
Species	Human
Source	HEK293
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.
Form	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bio-activity	Determined by its ability to inhibit the proliferation of HCT116 colorectal carcinoma cells. Approximately 40% growth inhibition was achieved at a DKK-1 concentration of 200ng/ml.
Molecular Mass	28.67 kDa
AA Sequence	TLNSVLNSNAIKNLPPPLGGAAGHPGSAVSAAPGILYPGGNKYQTIDNYQPYPCAED EECGTDEYCASPTRGGDAGVQICLACRKRRCMRHAMCCPGNYCKNGICVSSD QNHFRGEIETITESFGNDHSTLDGYSRRTLSSKMYHTKGQEGSVCLRSSDCASG LCCARHFWSKICKPVLKEGQVCTKHRRKGSHGLEIFQRCYCGEGLSCRIQKDDHHQA

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SNSSRLHTCQRH

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Concentration Resuspend the protein in the desired concentration in proper buffer

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

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