Active Recombinant Human DKK3

Cat. No. DKK3-686H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DKK-3 expressed in CHO cells is a glycoprotein that has a calculated molecular weight of 36.3 kDa and contains 329 amino acid residues.
Species	Human
Source	CHO
Description	This gene encodes a protein that is a member of the dickkopf family. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. The expression of this gene is decreased in a variety of cancer cell lines and it may function as a tumor suppressor gene. Alternative splicing results in multiple transcript variants encoding the same protein.
Bio-activity	Determined by its ability to inhibit alkaline phosphatase activity in differentiating MC3T3 E1 cells. The expected ED50 for this effect is 2.0–4.0 ng/ml.
Molecular Mass	36.3 kDa
AA Sequence	APAPTATSAP VKPGPALSYP QEEATLNEMF REVEELMEDT QHKLRSAVEE MEAEEAAAKA SSEVNLANLP PSYHNETNTD TKVGNNTIHV HREIHKITNN QTGQMVFSET VITSVGDEEG RRSHECIIDE DCGPSMYCQF ASFQYTCQPC RGQRMLCTRD SECCGDQLCV WGHCTKMATR GSNGTICDNQ RDCQPGLCCA FQRGLLFPVC TPLPVEGELC HDPASRLLDL ITWELEPDGA LDRCPCASGL LCQPHSHSLV YVCKPTFVGS RDQDGEILLP REVPDEYEVG SFMEEVRQEL

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	EDLERSLTEE MALREPAAAA AALLGGEEI
Purity	Greater than 98% by SDS-PAGE gel and HPLC analyses.

GENE INFORMATION

Gene Name	DKK3 dickkopf WNT signaling pathway inhibitor 3 [Homo sapiens(human)]
Official Symbol	DKK3
Synonyms	DKK3; RIG; REIC; dickkopf WNT signaling pathway inhibitor 3; dickkopf-related protein 3; dkk-3; hDkk-3; dickkopf-3; RIG-like 5-6; RIG-like 7-1; dickkopf 3 homolog; dickkopf homolog 3; regulated in glioma
Gene ID	27122
mRNA Refseq	NM_013253
Protein Refseq	NP_037385
MIM	605416
UniProt ID	Q9UBP4
Chromosome Location	11p15.2

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