

## Active Recombinant Human DKK3

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Description</b>	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.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	36.3 kDa
<b>AA Sequence</b>	<p>APAPTATSAP VKPGPALSYP QEEATLNEMF REVEELMEDT QHKLRSAVEE            MEAEAAAANKA SSEVNLNANLP PSYHNETNTD TKVGNNTIHV HREIHKITNN            QTGQMVFSET VITSVGDEEG RRSHECIIDE DCGPSMYCQF ASFQYTCQPC            RGQRMLCTRD SECCGDQLCV WGHCTKMATR GSNGTICDNQ RDCQPGLCCA            FQRGLLFPVC TPLPVEGELC HDPASRLLDL ITWELEPDGA LDRPCASGL            LCQPHSHSLV YVCKPTFVGS RDQDGEILLP REVPDEYEVG SFMEEVRQEL</p>

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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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