

Specifications:

Gene:	<i>cynoDKK1</i>
Accession:	XP_005565907
Insert size:	814bp
Concentration:	10µg at 0.2µg/µL

**cynoDkk-1 cDNA
Plasmid**

DKK1 dickkopf WNT signaling pathway inhibitor 1 [*Macaca fascicularis* (crab-eating macaque)]

Summary:

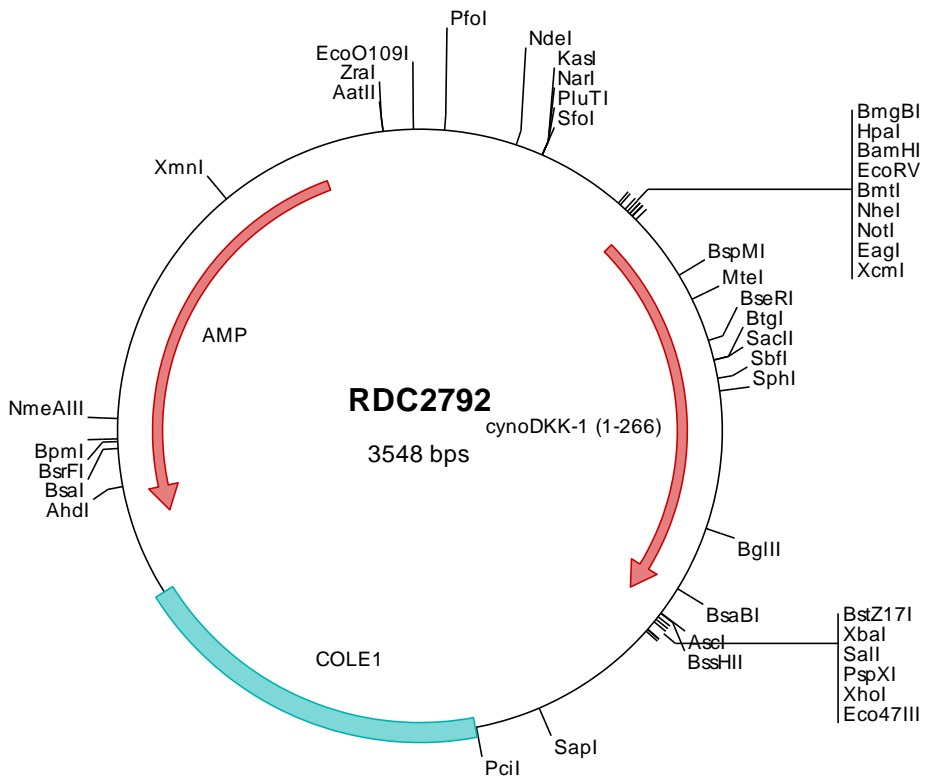
DKK-1 is a member of the dickkopf family of proteins. Members of this family are secreted proteins characterized by two cysteine-rich domains that mediate protein-protein interactions. DKK-1 binds to the LRP6 co-receptor and inhibits beta-catenin-dependent Wnt signaling. It plays a role in embryonic development and may be important in bone formation in adults. Elevated expression of DKK-1 has been observed in numerous human cancers and it may promote proliferation, invasion and growth in cancer cell lines.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping Ships at ambient temperature
Stability 1 year from date of receipt when stored at -20°C to -80°C
Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC2792 Plasmid DNA Sequence

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1 tcgctgcttt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccc
101 tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcctat
301 tacgccagct ggcgaaaagg ggaatgtctg caaggcgatt aagttgggta acgccagggt ttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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> RDC2792 Translated Insert Sequence

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1 mmalgaagaa rvlvalvaa lgghpllgvs atlnsvlnsn aiknlppplg gaaghpgsav saapgilypg gnkyqtidny gypycaedee cgtdeycasp
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201 carhfwskic kpvlkegqvc tkhrrkqshg leifqrcycg eglscrlqkd hqgasnssrl htcqrh

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