

Recombinant human DKK3 protein

Catalog Number: ATGP3520

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

22-350aa

UniProt No.

Q9UBP4

NCBI Accession No.

NP_001018067

Alternative Names

Dickkopf WNT signaling pathway inhibitor 3, Dickkopf-related protein 3, Dickkopf-3, Dkk-3, REIC, RIG, CRRL

PRODUCT SPECIFICATION

Molecular Weight

37.3 kDa (338aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

DKK3, also known as dickkopf WNT signaling pathway inhibitor 3, is a member of the DKK protein family including Dkk-1, 2, 3 and 4. It is a secreted protein with two cysteine rich regions and is involved in embryonic development through its inhibition of 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. Recombinant human DKK3 protein,

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fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPAPAPTAT SAPVKPGPAL SYPQEEATLN EMFREVEELM EDTQHKLRSA VEEMEAEEAA AKASSEVNLA NLPPSYHNET
NTDTKVGNNI IHVHREIHKI TNNQTGQMVF SETVITSVGD EEGRRSHECI IDEDCGPSMY CQFASFQYTC QPCRGQRMLC
TRDSECCGDQ LCVWGHCTKM ATRGSNGTIC DNQRDCQPGL CCAFQRGLLF PVCTPLPVEG ELCHDPASRL LDLITWELEP
DGALDRCPA SGLLCQPHSH SLVYVCKPTF VGSRDQDGEI LLPREVPDEY EVGSFMEEVR QELEDLERSL TEEMALREPA
AAAAALLGGE EIHSHHHH

General References

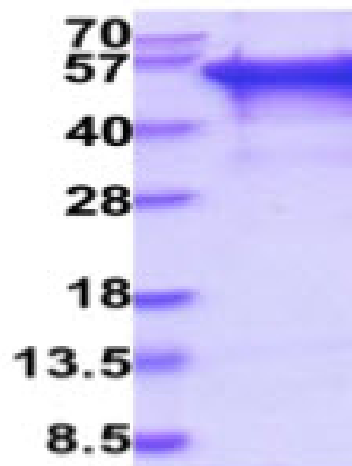
Kim BR., et al. (2015) Cell Signal. 27: 2150-2159

Sakaguchi M., et al. (2011) Adv Exp Med Biol. 720: 209-215.

DATA

SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)