

Recombinant human DKK3 protein

Catalog Number: ATGP1666

PRODUCT INFORMATION

Expression system

E.coli

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

38.8 kDa (353aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1M urea,10% glycerol, 1mM DTT

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

Dickkopf-related protein 3, also known as DKK3, 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. DKK3 is a 350 amino acid secreted glycoprotein that is composed of an N-terminal signal peptide and two conserved cysteine-rich domains, which are separated by a 12 amino acid linker region. 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, fused to His-tag at N-terminus, was expressed in E.

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Amino acid Sequence

MGSSHHHHYHH SSSLVPRGSH MGSMAPAPTA TSAPVKPGPA LSYPQEEATL NEMFREVEEL MEDTQHKLRS AVEEMEAEAA
AAKASSEVNL ANLPPSYHNE TNTDTKVGNN TIHVHREIHK ITNNQTGQMV FSETVITSVG DEEGRRSHEC IIDEDCGPSM
YCQFASFQYT CQPCRGQRM LCTR DSECCGD QLCVWGHCTK MATRGSNGTI CDNQRDCQPG LCCAFQRGLL
FPVCTPLPVE GELCHDPASR LLDLITWELE PDGALDRPC ASGLLCQPHS HSLVYVCKPT FVGSRDQDGE ILLPREVPDE
YEVGSFMEEV RQELEDLERS LTEEMALREP AAAAAALLGG EEI

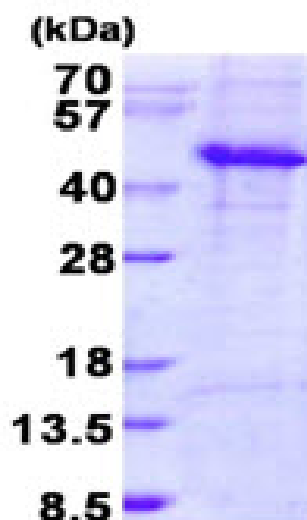
General References

Cadigan K M., et al. (1997) Genes Dev. 11:3286-3305.

Gilnka A., et al. (1998) Nature. 391:357-362.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)