Recombinant human DKK3 protein

Catalog Number: ATGP1666

PRODUCT INFORMATION

Expression system
E.coli

Domain
22-350aa

UniProt No.
Q9UBP4

NCBI Accession No.
NP_001018067.1

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

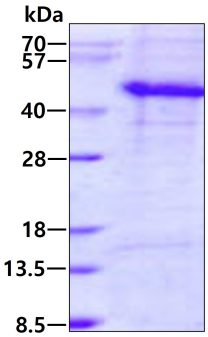
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General References

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.