

DKK3, 22-350 aa**Cat.NO.: TP01887**

3th Edition

Synonyms: Dickkopf-related protein 3 precursor, REIC, RIG.

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.coli.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1M Urea, 10% glycerol, 1mM DTT

Molecular Weight: 38.8kDa (353aa)

Sequences:

MGSSHHHHYHSSGLVPRGSHMGSMAPAPTATSAPVKPGPALSYPQEEATLNEMFREVEELMEDTQHKLRSAVEE
MEAEAAAKASSEVNLANLPPSYHNETNTDTKVGNNTIHVHREIHKITNNQTGQMVFSETVITSVGDEEGRRSHECII
DEDCGPSMYCQFASFQYTCQPCRGQRMLCTRDSECCGDQLCVWGHCTKMATRGSNGTICDNQRDCQPGLCCA
FQRGLLFPVCTPLPVEGELCHDPASRLDLITWELEPDGALDRCPCASGLLCQPHSHSLVYVCKPTFVGSRDQDGE
ILLPREVPDEYEVGSFMEEVRQELEDLERSLSTEEMALREPAAAAAALLGEEI

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.