
Product Data Sheet

Product Name: DKK3 Human
 Cat. No.: GP23324
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Dickkopf 3 homolog (Xenopus laevis); dickkopf-related protein 3; regulated in glioma; RIG; RIG-like 7-1; RIG-like 5-6; Dkk-3; REIC.		
Amino Acid Sequence	MGSSHHYHH SGLVPRGSH MGSMAPAPTA TSAPVKPGPA LSYPQEEATL NEMFREVEEL MEDTQHKLRS AVEEMEAEEA AAKASSEVNL ANLPPSYHNE TNTDTKVGNN TIHVHREIHK ITNNQTGQMV FSETVITSVG DEEGRRSHEC IIDEDCGPSM YCFASFQYT CQPCRGQRM L CTRDSECCGD QLCVWGHCTK MATRGSNGTI CDNQRDCQPG LCCAFQRGLL FVCTPLPVE GELCHDPASR LLDLITWELE PDGALDRPC ASGLLCQPHS HSLVYVCKPT FVGSRDQDGE ILLPREVPDE YEVGSFMEEV RQELEDLERS LTEEMALREP AAAAAALLGG EEI		
Formulation	The DKK3 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 1M Urea, 1mM DTT and 10% glycerol.		

Introduction

Dickkopf-related protein 3 (DKK3) belongs to the DKK protein family including Dkk-1, 2, 3 and -4. DKK3 is a 350 amino acid secreted glycoprotein which is comprised of an N-terminal signal peptide and 2 conserved cysteine-rich domains that are separated by a 12 amino acid linker region. DKK3 is involved in embryonic development through its inhibition of the WNT signaling pathway. DKK3 gene expression is decreased in a variety of cancer cell lines and it may act as a tumor suppressor gene.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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DKK3 Human Recombinant produced in E. coli is a single polypeptide chain containing 353 amino acids (22-350) and having a molecular mass of 38.8 kDa. DKK3 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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