
Product Data Sheet

Product Name: KIN Human
 Cat. No.: GP23740
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BTCD; KIN17; KIN; Binding to curved DNA; antigenic determinant of recA protein homolog; DNA/RNA-binding protein KIN17.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMGKSDFL TPKAIANRIK SKGLQKLRWY CQMCQKQCRDENGFKCHCMS ESHQRQLLLA SENPQQFMDY FSEEFRNDFL ELLRRRFGTK RVHNNIVYNE YISHREHIHM NATQWETLTD FTKWLGREGL CKVDETPKGW YIQYIDRDPE TIRRQLELEKKKKQDLDDDEE KTAKFIEEQV RRGLEGKEQE VPTFTELSRE NDEEKVTFNL SKGACSSSGATSSKSSTLGP SALKTIGSSA SVKRKESSQS STQSKEKKKK KSALDEIMEI EEEKRTARTDYWLQPEIIV KIITKKLGEK YHKKAIVKE VIDKYTAVVK MIDSGDKLKL DQTHLETVIPAPGKRILVLN GGYRGNEGTL ESINEKTFSA TIVIETGPLK GRRVEGIQYE DISKLA.		
Formulation	The KIN solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl and 20% glycerol.		

Introduction

DNA/RNA-binding protein KIN17 (KIN17) is a nuclear protein which constructs intranuclear foci for the duration of proliferation and is reallocated in the nucleoplasm during the cell cycle. KIN17 is ubiquitously expressed having the highest levels of expression in the muscle, heart and testis. SV40- altered fibroblasts overexpress KIN17, which interacts with Large T antigen and decreases T-antigen-dependent DNA replication.

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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

KIN Human Recombinant produced in E. coli is a single polypeptide chain containing 416 amino acids (1-393) and having a molecular mass of 47.8 kDa. KIN is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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