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KIN Human

Catalog #:PRPS-1282

For research use only.

Description: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.

Synonyms:BTCD, KIN17, KIN, Binding to curved DNA, antigenic determinant of recA protein homolog, DNA/RNA-binding protein KIN17.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMGKSDFL TPKAIANRIK SKGLQKLRWY CQMCQKQCRDENGFKCHCMS ESHQRQLLLA SENPQQFMDY FSEEFRNDFL ELLRRRFGTK RVHNNIVYNE YISHREHIHM NATQWETLTD FTKWLGREGL CKVDETPKGW YIQYIDRDPE TIRRQLELEKKKKQDLDDEE KTAKFIEEQV RRGLEGKEQE VPTFTELSRE NDEEKVTFNL SKGA

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
The KIN solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl and 20% glycerol.

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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

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 ubiqutiously 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.

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