

Recombinant Human KIN, antigenic determinant of recA protein homolog (mouse), His-tagged

Cat. No. KIN-358H Lot. No. (See product label)

SPECIFICATION

Product Overview	KIN17, 1-393aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-393 a.a.
Description	DNA/RNA-binding protein KIN17, also known as KIN17, is a nuclear protein that forms intranuclear foci during proliferation and is redistributed in the nucleoplasm during the cell cycle. KIN17 is ubiquitously expressed with the highest levels of expression in muscle, heart and testis. SV40-transformed fibroblasts overexpress KIN17, which interacts with Large T antigen and reduces T-antigen-dependent DNA replication. Recombinant human KIN17 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol
Molecular Mass	47.8 kDa (416aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSMGKSDFL TPKAIANRIK SKGLQKLRWY CQMCQKQCRD ENGFKCHCMS ESHQRQLLLA SENPQQFMDY FSEEFRNDFL ELLRRRFGTK RVHNNIVYNE YISHREHIHM NATQWETLTD FTKWLGREG CKVDETPKGW YIQYIDRDPE TIRRQLELEK KKKQDLDEE KTAKFIEEQV

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RRGLEGKEQE VPTFTELSRE NDEEKVTFNL SKGACSSSGA TSSKSSTLGP
 SALKTIGSSA SVKRKESSQS STQSKEKKKK KALDEIMEI EEEKKRTART
 DYWLQPEIIV KIITKKLGEK YHKKKAIVKE VIDKYTAVVK MIDSGDKLKL
 DQTHLETVIP APGKRILVLN GGYRGNEGTL ESINEKTFSA TIVIETGPLK
 GRRVEGIQYE DISKLA

Purity >90% by SDS - PAGE

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

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name KIN KIN, antigenic determinant of recA protein homolog (mouse) [Homo sapiens]

Official Symbol KIN

Synonyms KIN; KIN, antigenic determinant of recA protein homolog (mouse); antigenic determinant of recA protein (mouse) homolog; DNA/RNA-binding protein KIN17; KIN17; binding to curved DNA; BTCDD;

Gene ID [22944](#)

mRNA Refseq [NM_012311](#)

Protein Refseq [NP_036443](#)

MIM [601720](#)

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UniProt ID	O60870
Chromosome Location	10p15-p14
Function	DNA binding; RNA binding; double-stranded DNA binding; metal ion binding; zinc ion binding;

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