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 ubiqutiously 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 SSGLVPRGSH MGSMGKSDFL TPKAIANRIK SKGLQKLRWY CQMCQKQCRD ENGFKCHCMS ESHQRQLLLA SENPQQFMDY FSEEFRNDFL ELLRRRFGTK RVHNNIVYNE YISHREHIHM NATQWETLTD FTKWLGREGL CKVDETPKGW YIQYIDRDPE TIRRQLELEK KKKQDLDDEE KTAKFIEEQV

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	RRGLEGKEQE VPTFTELSRE NDEEKVTFNL SKGACSSSGA TSSKSSTLGP SALKTIGSSA SVKRKESSQS STQSKEKKKK KSALDEIMEI 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; BTCD;
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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