

# Recombinant human KIN17 protein

Catalog Number: ATGP1797

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-393aa

### UniProt No.

O60870

### NCBI Accession No.

NP\_036443

### Alternative Names

DNA/RNA-binding protein KIN17, BTCD, KIN17, KIN

## PRODUCT SPECIFICATION

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### Molecular Weight

47.8 kDa (416aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### 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.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MGKSDFL TPKAIANRIK SKGLQKLRWY CQMCQKQCRD ENGFKCHCMS  
ESHQRQLLLA SENPQQFMDY FSEEFRNDFL ELLRRRFGTK RVHNNIVYNE YISHREHIHM NATQWETLTD FTKWLGREG  
CKVDETPKGW YIQYIDRDPE TIRRLQLELEK KKKQDLDEE KTAKFIEEQV RRGLEGKEQE VPTFTELSRE NDEEKVTFNL  
SKGACSSSSGA TSSKSSTLGP SALKTIGSSA SVKRKESQSS STQSKEKSKK KALDEIMEI EEEKKRTART DYWLQPEIIV  
KIITKKLGEK YHKKKAIVKE VIDKYTAVVK MIDSGDKLKL DQTHLETVIP APGKRILVLN GGYRGNNEGTL ESINEKTFSA  
TIVIETGPLK GRRVEGIQYE DISKLA

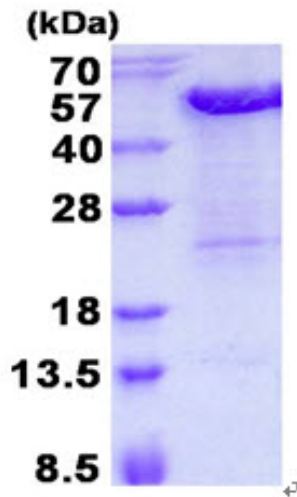
## General References

Biard D S., et al. (1997) Radiat Res. 147:42-450

Mazin A., et al. (1994) Nucleic Acids Res. 22: 4335-4341.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)