

Recombinant Human KIN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KIN-3203H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KIN MS Standard C13 and N15-labeled recombinant protein (NP_036443) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a nuclear protein that forms intranuclear foci during proliferation and is redistributed in the nucleoplasm during the cell cycle. Short-wave ultraviolet light provokes the relocalization of the protein, suggesting its participation in the cellular response to DNA damage. Originally selected based on protein-binding with RecA antibodies, the mouse protein presents a limited similarity with a functional domain of the bacterial RecA protein, a characteristic shared by this human ortholog. Alternative splicing of this gene results in multiple transcript variants.
Molecular Mass	45.4 kDa
AA Sequence	MGKSDFLTPKAIANRIKSKGLQKLRWYCQMCQKQCRDENGFKCHCMSESHQRQLL LASNPQQFMDYFSEEFRNDFLELLRRRFGTKRVHNNIVYNEYISHREHIHMNATQ WETLTDFTKWLGREGLCKVDETPKGWYIYIDRDPETIRRQLELEKKKKQDLDDDEEK TAKFIEEQVRRGLEGEKEQEVPTFTELSRNDEEKVTFNLSKGACSSSGATSSKSSTL GPSALKTIGSSASVKRKESQSSSTQSKEKKKKKSALDEIMEIEEEKKRTARTDYWLQ PEIIVKIITKKLGEKYHKKKAIVKEVIDKYTAVVKMIDSGDKLKDQTHLETVIPAPGKRI

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LVLNGGYRGNEGTLESINEKTFSATIVIETGPLKGRRVEGIQYEDISKLATRTRPLEQK
LISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name KIN Kin17 DNA and RNA binding protein [Homo sapiens (human)]

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

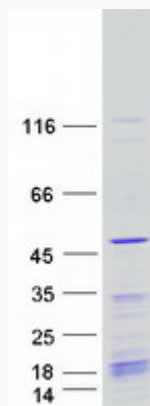
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UniProt ID

O60870

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