

Product datasheet for **TP305689**

KIN (NM_012311) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human KIN, antigenic determinant of recA protein homolog (mouse) (KIN), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC205689 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MGKSDFLTPKAIANRIKSKGLQKLRWYQMCQKQCRDENGFKCHCMSESHQRQLLLASENPQQFMDYFSE
EFRNDFLELLRRRFGTKRVHNNIVYNEYISHREIHMNATQWETLTDFTKWLGREGLCKVDETPKGWYIQ
YIDRDPETIRRQLELEKQDLDDDEKTAKFIEEQVRRGLEGKEQEVPTFTELSRENDEEKVTFNLSKG
ACSSSGATSSKSTLGPALKTIGSSASVVRKESQSSQSKKSSALDEIMEIEEEKRTARTDYW
LQPEIIVKIITKKLGEKYHKKKAIVKEVIDKYTAVVKMIDSGDKLKDQTHLETVIPAPGKRILVLNGGY
RNGEGTLESINEKTFSATIVETGPLKGRRVEGIQYEDISKLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	45.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_036443



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Locus ID: 22944

UniProt ID: [O60870](#)

RefSeq Size: 6401

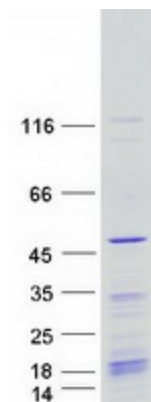
Cytogenetics: 10p14

RefSeq ORF: 1179

Synonyms: BTCD; KIN17; Rts2

Summary: 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. [provided by RefSeq, Jan 2012]

Product images:



Coomassie blue staining of purified KIN protein (Cat# TP305689). The protein was produced from HEK293T cells transfected with KIN cDNA clone (Cat# [RC205689]) using MegaTran 2.0 (Cat# [TT210002]).