

Product datasheet for PH305689

KIN (NM_012311) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KIN MS Standard C13 and N15-labeled recombinant protein (NP_036443)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205689
Predicted MW:	45.4 kDa
Protein Sequence:	>RC205689 protein sequence Red=Cloning site Green=Tags(s)
	MGKSDFLTPKAIANRIKSKGLQKLRWYCQMCQKQCRDENGFKCHCMSESHQRQLLLASENPQQFMDYFSE EFRNDFLELLRRRFGTRVHNNIVYNEYISHREHIMNATQWETLTDFTKWLGREGLCKVDETPKGWYIQ YIDRDPETIRRQLELEKQDLDDDEEKAKFIEEQVRRGLEGKEQEVPTFTELSRENDEEKVTFNLSKG ACSSSGATSSKSTLGPSALKTIGSSASVYKRKESQSSQSKKSKKKSALDEIMEIEEEKKRTARTDYW LQPEIIVKIIITKKLGEKYHKKKAIYKVEIDKYTAVVKMIDSGDKLKDQTHLETVIPAGKRILVLNGGY RGNEGTLESINEKTFSATIVVIETGPLKRRRVEGIQYEDISKLA
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_036443
RefSeq Size:	6401
RefSeq ORF:	1179
Synonyms:	BTCD; KIN17; Rts2
Locus ID:	22944



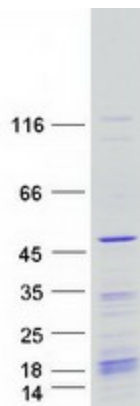
[View online »](#)

UniProt ID: [O60870](#)

Cytogenetics: 10p14

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]).