

Datasheet for ABIN7559530  
**KIN Protein (AA 1-391) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KIN
Protein Characteristics:	AA 1-391
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIN protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Kin Protein expressed in mammalian cells.
Sequence:	MGKSDFLSPK AIANRIKSKG LQKLRWYCQM CQKQCRDENG FKCHCMSESH QRQLLLASEN PQQFMDYFSE EFRNDFLELL RRRFGTKRVH NNIVYNEYIS HREHIHMNAT QWETLTDFTK WLGREGGLCKV DETPKGWYIQ YIDRDPETIR RQLELEKSKK QDLDEEKTA KFIEEQVRRG LEGKEQETPV FTELSRENEE EKVTFNLNKG AGGSAGATTS KSSSLGPSAL KLLGSAASGK RKESQSSAQ PAKKKKSALD EIMELEEEKK RTARTDAWLQ PGIVVKIITK KLGEKYHKKK GVVKEVIDRY TAVVKMTDSG DRLKLDQTHL ETVIPAPGKR VLVLNNGGYRG NEGTLNESINE KAFSATIVIE TGPLKGRRVE GIQYEDISKL A <b>Sequence without tag. The proposed Purification- Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

## Product Details

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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### Grade:

custom-made

## Target Details

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### Target:

KIN

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### Alternative Name:

Kin ([KIN Products](#))

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### Background:

DNA/RNA-binding protein KIN17 (Binding to curved DNA) (KIN, antigenic determinant of recA protein),FUNCTION: Involved in DNA replication and the cellular response to DNA damage. May participate in DNA replication factories and create a bridge between DNA replication and repair mediated by high molecular weight complexes. May play a role in illegitimate recombination and regulation of gene expression. May participate in mRNA processing. Binds, in vitro, to double-stranded DNA. Also shown to bind preferentially to curved DNA in vitro and in vivo. Binds via its C-terminal domain to RNA in vitro. {ECO:0000250|UniProtKB:O60870, ECO:0000269|PubMed:15252136, ECO:0000269|PubMed:1923796, ECO:0000269|PubMed:8670903, ECO:0000269|PubMed:8954809}.

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### Molecular Weight:

44.7 kDa

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### UniProt:

[Q8K339](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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