

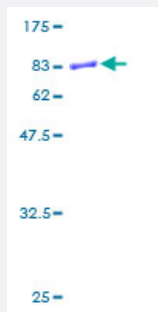
Full-Length

## KIN (Human) Recombinant Protein (P01)

Catalog # H00022944-P01

Size 25 ug, 10 ug

### Applications



### Specification

#### Product Description

Human KIN full-length ORF ( AAH17309, 1 a.a. - 393 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MGKSDFLTPKAIANRIKSKGLQKLRWYQMCQKQCRDENGFKCHCMSESHQRQLLLASENPQQ  
FMDYFSEEFRNDFLELLRRRFGTKRVHNNIVYNEYISHREHIHMNATQWETLTDFTKWLGREGGLCK  
VDETPKGWYIQYDRDPETIRRQLELEKKKKQDLDDDEEKTAKFIEEQVRRGLEGKEQEVPTFTELS  
RENDEEKVTFNLSKGACSSSGATSSKSSTLGPSALKTIGSSASVKRKESSQSSTQSKEKKKKKS  
ALDEIMEIEEEKKRTARTDYWLQPEIVKIITKKLGEKYHKKKANKEVIDKYTAVVKMIDSGDKLKLDQ  
THLETVIPAPGKRILVLNGGYRGNEGTLESINEKTFSATIVIETGPLKGRRVEGIQYEDISKLA

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

68.97

#### Interspecies Antigen Sequence

Mouse (92); Rat (93)

#### Preparation Method

[in vitro wheat germ expression system](#)

#### Purification

Glutathione Sepharose 4 Fast Flow

#### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

#### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — KIN

**Entrez GeneID**[22944](#)**GeneBank Accession#**[BC017309](#)**Protein Accession#**[AAH17309](#)**Gene Name**

KIN

**Gene Alias**

BTCD, KIN17

**Gene Description**

KIN, antigenic determinant of recA protein homolog (mouse)

**Omim ID**[601720](#)**Gene Ontology**[Hyperlink](#)**Gene 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. [provided by RefSeq]

**Other Designations**

HsKin17 protein|OTTHUMP00000019061|antigenic determinant of recA protein homolog

## Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)