

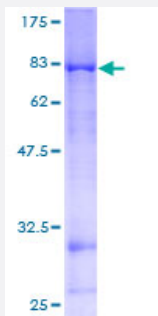
Full-Length

# NEK11 (Human) Recombinant Protein (P01)

Catalog # H00079858-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human NEK11 full-length ORF ( AAH28587, 1 a.a. - 482 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MLKFQEAACVSGSTAISTYPKTLIARRYVLQQKLGSGSFGTVYLVSDKKAKRGEELKVLKEISVG  
ELNPNETVQANLEAQLLSKLDHPANVCFHASFVEQDNFCITEYCEGRDLDDKIQEYKQAGKIFPEN  
QIIEWFIQLLLGVDYMHERRILHRDLKSKNVFLKNNLLKIGDFGVSRLMGSCDLATTLTGTPHYMSP  
EALKHQGYDTKSDIWSLACILYEMCCMNHAFAGSNFLSIVLKIVEGDTPSLPERYPKELNAIMESML  
NKNPSLRPSAIEILKIPYLDEQLQNLNLCRYSEMTLEDKNLDCQKEAAHIINAMQKRIHLQTLRALSEV  
QKMTPRERMRLRKLQAADEKARKLKKIVEEKYEENSKRMQELRSRNFQQLSVDVLHEKTHLKGM  
EEKEEQPEGRLSCSPQDEDEERWQGREEESDEPTLENLPESQPIPSMDLHELESVEDATSDLG  
YHGDCNLISLDEYWKNEK

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

78.54

### Interspecies Antigen Sequence

Mouse (73); Rat (70)

### 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 — NEK11

|                     |                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">79858</a>                                                                                                                                                                                                                                                                                                                           |
| GeneBank Accession# | <a href="#">BC028587</a>                                                                                                                                                                                                                                                                                                                        |
| Protein Accession#  | <a href="#">AAH28587</a>                                                                                                                                                                                                                                                                                                                        |
| Gene Name           | NEK11                                                                                                                                                                                                                                                                                                                                           |
| Gene Alias          | FLJ23495                                                                                                                                                                                                                                                                                                                                        |
| Gene Description    | NIMA (never in mitosis gene a)- related kinase 11                                                                                                                                                                                                                                                                                               |
| Omim ID             | <a href="#">609779</a>                                                                                                                                                                                                                                                                                                                          |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                       |
| Gene Summary        | This gene encodes a member of the never in mitosis gene A family of kinases. The encoded protein localizes to the nucleoli, and may function with NEK2A in the S-phase checkpoint. The encoded protein appears to play roles in DNA replication and response to genotoxic stress. Alternatively spliced transcript variants have been described |
| Other Designations  | -                                                                                                                                                                                                                                                                                                                                               |

## Disease

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Tobacco Use Disorder](#)