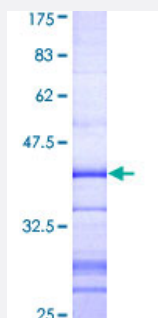


NEK3 (Human) Recombinant Protein (Q01)

Catalog # H00004752-Q01

Size 25 ug, 10 ug

Applications



Specification

| | |
|-------------------------------|---|
| Product Description | Human NEK3 partial ORF (AAH19916, 406 a.a. - 506 a.a.) recombinant protein with GST-tag at N-terminal. |
| Sequence | QWLKETPD TLLN LKNADLSLAFQTYTYRPGSEGFLKGPLSEETEASDSVDGGHDSVILDPERLE PGLDEEDTDFEEEDDNPDWVSELKKRAGWQGLCDR |
| Host | Wheat Germ (in vitro) |
| Theoretical MW (kDa) | 36.74 |
| Interspecies Antigen Sequence | Mouse (76); Rat (77) |
| 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 — NEK3

| | |
|---------------------|---|
| Entrez GeneID | 4752 |
| GeneBank Accession# | BC019916 |
| Protein Accession# | AAH19916 |
| Gene Name | NEK3 |
| Gene Alias | HSPK36, MGC29949 |
| Gene Description | NIMA (never in mitosis gene a)-related kinase 3 |
| Omim ID | 604044 |
| Gene Ontology | Hyperlink |
| Gene Summary | This gene encodes a member of the NimA (never in mitosis A) family of serine/threonine protein kinases. The encoded protein differs from other NimA family members in that it is not cell cycle regulated and is found primarily in the cytoplasm. The kinase is activated by prolactin stimulation, leading to phosphorylation of VAV2 guanine nucleotide exchange factor, paxillin, and activation of the RAC1 GTPase. Multiple transcript variants encoding different isoforms have been found for this gene |
| Other Designations | NIMA-related kinase 3 glycogen synthase A kinase hydroxyalkyl-protein kinase phosphorylase B kinase kinase serine/threonine-protein kinase NEK3 |

Disease

- [Tobacco Use Disorder](#)