

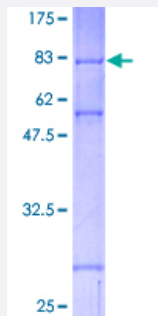
Full-Length

CHEK1 (Human) Recombinant Protein (P01)

Catalog # H00001111-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CHEK1 full-length ORF (AAH04202, 1 a.a. - 476 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAVPFVEDWDLVQTLGEGAYGEVQLAVNRVTEEA VAVKIDMKRAVDCPENIKKEICINKMLNHE
NVVKFYGHRREGNIQYLFLEYCSGGELFDRIEPDIGMPEPDAQRFHQLMAGVVYLHGIGITHRDIK
PENLLLDERDNLKISDFGLATVFRYNNRERLLNKMCGTLPYAPELLKRREFHAEPVDVWSCGVL
TAMLAGELPWDQPSDSCQEYSDWKEKKTYLNPWKIDSAPLALLHKILVENPSARITIPDIKKDRW
YNKPLKKGAKRPRVTSGGVSESPSGFSKHIQSNLDFSPVNSASSEENVKYSSSQPEPRTGLSLW
DTSPSYDKLVQGISFSQPTCPDHMLLNSQLLGTPGSSQNPWQRLVKRMTRFFTKLDADKPYQCL
KETREKLG YQWKSCMNQVTISTTDRNNKLIFKVNLLMDDKILVDFRLSKGDGLEFKRHFLKIK
GKLIDVSSQKVWLPAT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

77.88

Interspecies Antigen Sequence

Mouse (93); Rat (94)

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 — CHEK1

Entrez GeneID	1111
GeneBank Accession#	BC004202
Protein Accession#	AAH04202
Gene Name	CHEK1
Gene Alias	CHK1
Gene Description	CHK1 checkpoint homolog (S. pombe)
Omim ID	603078
Gene Ontology	Hyperlink
Gene Summary	S. pombe
Other Designations	CHK1 checkpoint homolog Checkpoint, S. pombe, homolog of, 1

Pathway

- [Cell cycle](#)

- [p53 signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Adenofibroma](#)
- [Ataxia telangiectasia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [DNA Damage](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Microsatellite Instability](#)
- [Neoplasms](#)
- [Neuroma](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)

- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)