

Bioactive

Full-Length

CHEK1 (Human) Recombinant Protein

Catalog # P6481

Size 5 ug

Applications

Result of activity analysis

Result of activity analysis

□

Specification

Product Description	Human CHEK1 (NP_001265.1, 1 a.a. - 476 a.a.) full length recombinant protein with GST-tag at N-terminal using baculovirus expression system.
Host	Viruses
Form	Liquid
Preparation Method	Baculovirus expression system.
Purification	Glutathione sepharose chromatography.
Purity	0.58
Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescently-labeled substrate and Mg (or Mn)/ATP. Substrate: CHKtide, ATP: 100 uM.
Quality Control Testing	The purity was assessed by SDS-PAGE/CBB staining.
Storage Buffer	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Storage Instruction	Stored at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Result of activity analysis

Result of activity analysis

Applications

- Functional Study

Gene Info — CHEK1

Entrez GeneID [1111](#)

Protein Accession# [NP_001265.1](#)

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](#)