Recombinant Human CHEK1, His-tagged, Active

Cat. No. CHEK1-281H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full-length CHK1 was expressed by baculovirus in*Sf9*insect cells using an N-terminal His tag. MW=59 kDa.
Species	Human
Source	Sf9 Cells
Description	CHK1 is a 56 kDa serine/threonine protein kinase that was originally identified in fission yeast to play a role in activation of the DNA damage checkpoint in the G2 phase of the cell cycle. CHK1 appears to function downstream of several of the known fission yeast checkpoint gene products, including that encoded by rad3+, a gene with sequence similarity to the ATM gene mutated in patients with ataxia telangiectasia.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	CHEK1 CHK1 checkpoint homolog (S. pombe) [Homo sapiens]

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Synonyms	CHEK1; CHK1 checkpoint homolog (S. pombe); CHK1; CHK1 (checkpoint, S.pombe) homolog; Serine/threonine-protein kinase Chk1;EC2.7.11.1
Gene ID	1111
mRNA Refseq	NM_001114121
Protein Refseq	NP_001107593
UniProt ID	O14757
Chromosome Location	11q24.2
MIM	603078
Pathway	Cell cycle; p53 signaling pathway; Cell Cycle Checkpoints
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity

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