Recombinant Human CHEK2, GST-tagged, Active

Cat. No. CHEK2-282H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full-length CHK2 were co-expressed by baculovirus in*Sf9*insect cells using an N-terminal GST tag on both proteins. MW=88 kDa.
Species	Human
Source	Sf9 Cells
Description	CHK2 is rapidly phosphorylated and activated in response to replication blocks and DNA damage; the response to DNA damage occurs in an ataxia telangiectasia mutated (ATM)-dependent manner. Expression of wild-type Chk2 leads to increased p53 stabilization after DNA damage, whereas expression of a dominant-negative Chk2 mutant abrogated both phosphorylation of p53 on Ser-20 and p53 stabilization.
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	CHEK2 CHK2 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	CHEK2; CHK2 checkpoint homolog (S. pombe); CDS1; CHK2; LFS2; RAD53; HuCds1; PP1425; CHK2 (checkpoint, S.pombe) homolog; Serine/threonine-protein kinase Chk2;EC2.7.11.1; Cds1
Gene ID	11200
mRNA Refseq	NM_001005735
Protein Refseq	NP_001005735
UniProt ID	O96017
Chromosome Location	22q12.1
MIM	604373
Pathway	Cell cycle; p53 signaling pathway; Cell Cycle Checkpoints
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity; magnesium ion binding; protein binding

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