

## Active Recombinant Human CHEK1 Protein, GST-tagged, Alexa Fluor 555 conjugated

Cat. No. CHEK1-229HAF555 Lot. No. (See product label)

### SPECIFICATION

|                                     |   |
|-------------------------------------|---|
| <b>Product Overview</b>             | Alexa Fluor 555 conjugated recombinant human CHK1 (AAM78553.1) (Met1-Thr476) was fused with the GST tag at the N-terminus.  |
| <b>Species</b>                      | Human   |
| <b>Source</b>                       | Insect Cells  |
| <b>ProteinLength</b>                | 700   |
| <b>Bio-activity</b>                 | The specific activity was determined to be 32 nmol/min/mg using CHKtide peptide (KKKVSRSGLYRSPSPENLNRPR) as substrate.  |
| <b>Molecular Mass</b>               | The recombinant human CHK1/GST chimera consists of 700 amino acids and predicts a molecular mass of 80.7 kDa. It migrates as an approximately 80 kDa band as predicted in SDS-PAGE under reducing conditions. |
| <b>N-terminal Sequence Analysis</b> | Met   |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.  |
| <b>Purity</b>                       | > 95 % as determined by SDS-PAGE  |
| <b>Characteristic</b>               | Disulfide-linked homodimer  |

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Labeled with Alexa Fluor 555 via amines  
 With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.

**Stability** Samples are stable for up to 12 months from date of receipt at -70 centigrade.

**Storage** Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Supplied as sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10% glycerol, 2mM GSH.

**Conjugation** Alexa Fluor 555

## GENE INFORMATION

**Gene Name** CHEK1 checkpoint kinase 1 [ Homo sapiens ]

**Official Symbol** CHEK1

**Synonyms** CHK1; CHK1 checkpoint homolog; Checkpoint, S. pombe, homolog of, 1; Chk1-S; cell cycle checkpoint kinase; checkpoint kinase-1

**Gene ID** 1111

**mRNA Refseq** NM\_001114121

**Protein Refseq** NP\_001107593

**MIM** 603078

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UniProt ID

O14757

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