

Active Recombinant Human CHEK1 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Active Recombinant Human CHEK1 Protein(AAM78553.1) (Met1-Thr476) was expressed in Insect Cells, fused with the GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-476 aa
Form	Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% glycerol, 2mM GSH.
Bio-activity	The specific activity was determined to be 32 nmol/min/mg using CHKtide peptide (KKKVSRSGLYRSPSPENLNRPR) as substrate.
Molecular Mass	The recombinant human CHK1/GST chimera consists of 700 amino acids and predicts a molecular mass of 80.7kDa. It migrates as an approxiamtely 80 KDa band as predicted in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [CHEK1 checkpoint kinase 1 \[Homo sapiens \]](#)

Official Symbol [CHEK1](#)

Synonyms

CHEK1; checkpoint kinase 1; CHK1 (checkpoint, S.pombe) homolog , CHK1 checkpoint homolog (S. pombe); serine/threonine-protein kinase Chk1; CHK1; Chk1-S; checkpoint kinase-1; CHK1 checkpoint homolog; cell cycle checkpoint kinase; Checkpoint, S. pombe, homolog of, 1;

Gene ID [1111](#)

mRNA Refseq [NM_001114121](#)

Protein Refseq [NP_001107593](#)

MIM [603078](#)

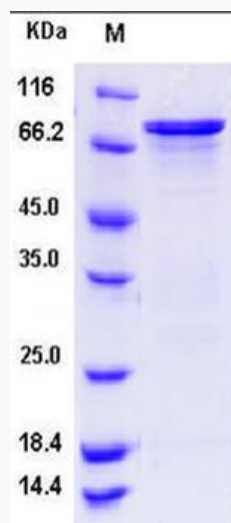
UniProt ID [O14757](#)

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SDS-PAGE



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