

Active Recombinant Human CHEK1 Protein, GST-tagged, Alexa Fluor 647 conjugated

Cat. No. CHEK1-229HAF647 Lot. No. (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 647 conjugated recombinant human CHK1 (AAM78553.1) (Met1-Thr476) was fused with the GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	700
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 80.7 kDa. It migrates as an approximately 80 kDa band as predicted in SDS-PAGE under reducing conditions.
N-terminal Sequence Analysis	Met
Endotoxin	< 1.0 EU/ µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer

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Labeled with Alexa Fluor 647 via amines
 Excitation = 650 nm
 Emission = 668 nm

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 647

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](#)

UniProt ID [O14757](#)

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