Active Recombinant Human CHEK1 Protein, GST-tagged, FITC conjugated

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

SPECIFICATION

Product Overview	FITC 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 (KKKVSRSGLYRSPSMPENLNRPR) 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 approxiamtely 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 FITC via amines Excitation source: 488 nm spectral line, argon-ion laser Excitation Wavelength: 488 nm Emission Wavelength: 535 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	FITC

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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