

Recombinant Human CHK2 (N-GST tag)

Cat No:HR2R1272

For research use only

Overview

Quantity	10 µg
Gene Symbol	CHK2
Gene ID	N/A
Accession	NM_007194
Alternative Name	RP11-436C9.1, CDS1, CHEK2, HuCds1, LFS2, PP1425, RAD53
Species	Human
Source	Insect 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 .
Functions	The specific activity of CHK2 was determined to be 808 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	88
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	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.