CHK1 recombinant protein

CHK1, Active

CATALOG #	HOST	APPLICATIONS
AAA73361	**Sf9 insect cells**	**Western Blot**

PRODUCT SYNONYMS

CHK1; Active; CHEK1; CHK1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for CHK1 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES

SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

Activity
Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for CHK1 recombinant protein	Recombinant full-length human CHK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_001274. CHK1 is a 56 kd serine/threonine protein kinase that was originally identified in fission yeast to play a role in activation of the DNA damage checkpoint in the G2 phase of the cell cycle (1). CHK1 appears to function downstream of several of the known fission yeast checkpoint gene products, including that encoded by rad3+, a gene with sequence similarity to the ATM gene mutated in patients with ataxia telangiectasia (2).
Product Categories/Family for CHK1 recombinant protein	Protein Kinases; Cancer; Cell Cycle; Ser/Thr Kinases
References	1. Walworth, N. et al: Fission yeast CHK1 protein kinase links the rad checkpoint pathway to cdc2. Nature. 1993 May 27;363(6427):368-71. 2. Walworth, NC. et al: Rad-dependent response of the CHK1-encoded protein kinase at the DNA damage checkpoint. Science. 1996 Jan 19;271(5247):353-6.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_001274
Molecular Weight	~82kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/chk1-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73361