

CHK2 recombinant protein

CHK2, Active

CATALOG #
AAA73364

HOST
Sf9 insect cells

PRODUCT SYNONYMS

CHK2; Active; RP11-436C9.1; CDS1; CHEK2; HuCds1; LFS2; PP1425; RAD53; CHK2 recombinant protein

PRODUCT SPECIFICATIONS

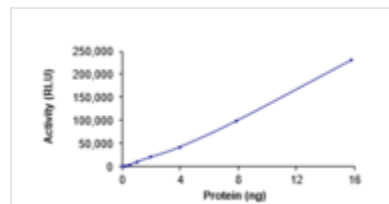
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.25mM DTT, and 25% glycerol.
Tag	HIS
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and 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 CHK2 recombinant protein	Recombinant full-length human CHK2 was expressed by baculovirus in Sf9 insect cells using a N-terminal His tag. The gene accession number is NM_007194. 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 (1). 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 (2).
Product Categories/Family for CHK2 recombinant protein	Protein Kinases ; Cancer ; Cellular Stress ; Cytoplasmic Tyrosine Kinases ; Inflammation ; Invasion/Metastasis ; Phosphatases ; Ser/Thr Kinases
References	- Matsuoka, S. et al: Linkage of ATM to cell cycle regulation by the Chk2 protein kinase. Science. 1998 Dec 4;282(5395):1893-7. - Chehab NH. et al: Chk2/hCds1 functions as a DNA damage checkpoint in G(1) by stabilizing p53. Genes Dev. 2000 Feb 1;14(3):278-88.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_007194
Molecular Weight	approx. MW: ~70 Da.

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://www.aaabiotech.com/chk2-recombinant-protein-sf9/73364>