

CLK2 recombinant protein

CLK2, Active

CATALOG # AAA73368	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

CLK2; Active; hCLK2; MGC61500; CLK2 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 CLK2 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 CLK2 recombinant protein	Recombinant human CLK2 (137-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_003993. CDC-like kinase 2 (CLK2) a family of autophosphorylating kinases termed CLK (CDC2/CDC28-like kinases) was shown to phosphorylate SR proteins and to influence alternative splicing in overexpression systems (1). Recent findings demonstrated that the CLK kinases activate PTP-1B family members, and this phosphatase may be an important cellular target for CLK action. Mutations in the clk-2 proteins affect organismal features such as development, behavior, reproduction, and aging as well as cellular features such as the cell cycle, apoptosis, the DNA replication checkpoint, and telomere length (2).
Product Categories/Family for CLK2 recombinant protein	Protein Kinases ; Cancer ; Cardiovascular Disease ; Cell Cycle ; Ser/Thr Kinases
References	1. Jiang, N. et al: Human CLK2 links cell cycle progression, apoptosis, and telomere length regulation. J. Biol. Chem. 2003;278(24):21678-84. 2. Nayler, O. et al: The cellular localization of the murine serine/arginine-rich protein kinase CLK2 is regulated by serine 141 autophosphorylation. J. Biol. Chem. 1998;273(51):34341-8.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_003993
Molecular Weight	~68kDa

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/clk2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73368>