

GCK recombinant protein

GCK, Active

CATALOG # AAA73671	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

GCK; Active; MAP4K2; BL44; RAB8IP; GCK 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 GCK 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 GCK recombinant protein	Recombinant full-length human GCK was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_004579. GCK is a serine/threonine protein kinase that is activated by TNFalpha and interacts with the TNF receptor-associated factor 2 (TRAF2). GCK is upstream of MAP kinases and particularly activates the SAPK pathway (1). Although GCK is found in many tissues, its expression in lymphoid follicles is restricted to the cells of germinal centre, where it may participate in B-cell differentiation. A mouse protein Rab8ip that has high homology to GCK can interact with the vesicular transport protein Rab8. Based on its interaction with Rab8, it is postulated that Rab8ip/GCK may modulate secretion in response to stress stimuli (2).
Product Categories/Family for GCK recombinant protein	Protein Kinases; Cancer; Cellular Stress; Inflammation; JNK/SAPK Pathway; p38 Pathway; Ser/Thr Kinases
References	1. Pombo C M, et al: Activation of the SAPK pathway by the human STE20 homologue germinal centre kinase. Nature 377: 750-754, 1995. 2. Ren M, et al: In its active form, the GTP-binding protein rab8 interacts with a stress-activated protein kinase. Proc. Nat. Acad. Sci. 93: 5151-5155, 1996.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_004579
Molecular Weight	~125kDa

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/gck-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73671>