

TNIK recombinant protein

TNIK, Active

CATALOG # AAA74072	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

TNIK; Active; TNIK 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 TNIK 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 TNIK recombinant protein	Recombinant human TNIK (1-367) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The TNIK gene accession number is NM_015028. TNIK or TRAF2 and NCK interacting kinase is characterized by an N-terminal kinase domain and a C-terminal GCK domain that serves a regulatory function (1). TNIK is mainly expression in brain, heart, and spleen and it is a specific effector of RAP2 which regulate actin cytoskeleton (2). TNIK is autophosphorylated in a manner dependent upon lys54 in the ATP-binding pocket of its kinase domain and plays a main role in cytoskeleton regulation.
Product Categories/Family for TNIK recombinant protein	Protein Kinases ; Cancer ; Inflammation ; Neurobiology ; NfκB Pathway ; Ser/Thr Kinases ; WNT Signaling
References	1. Fu, C. A. et.al: TNIK, a novel member of the germinal center kinase family that activates the c-Jun N-terminal kinase pathway and regulates the cytoskeleton. J. Biol. Chem. 274: 30729-30737, 1999. 2. Taira, K. et.al: The Traf2-and Nck-interacting kinase as a putative effector of Rap2 to regulate actin cytoskeleton. J. Biol. Chem. 279: 49488-49496, 2004.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_015028
Molecular Weight	~67kDa

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/tnik-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/74072>