

NEK6 recombinant protein

NEK6, Active

CATALOG # AAA73746	HOST Sf9 insect cells	APPLICATIONS Western Blot
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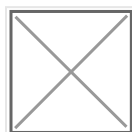
PRODUCT SYNONYMS

NEK6; Active; SID6-1512; NEK6 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Applicable Applications for NEK6 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 NEK6 recombinant protein	Recombinant full-length human NEK6 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_014397. NEK6 is a serine/threonine kinase that is a member of the Nek family of protein kinases that share an amino-terminal catalytic domain related to NIMA family (1). Nek6 is a nuclear and cytoplasmic kinase that is required for mitotic progression of human cells. Nek6 is phosphorylated and activated during M phase of the cell cycle (2). Inhibition of Nek6 function by either overexpression of an inactive Nek6 mutant or elimination of endogenous Nek6 by siRNA arrests cells in M phase and triggers apoptosis.
Product Categories/Family for NEK6 recombinant protein	Protein Kinases; Cancer; Cell Cycle; Ser/Thr Kinases
References	1. Kandli, M. et al: Isolation and characterization of two evolutionarily conserved murine kinases (Nek6 and nek7) related to the fungal mitotic regulator, NIMA. Genomics. 2000 Sep 1;68(2):187-96. 2. Yin, M.J. Et al: The serine/threonine kinase Nek6 is required for cell cycle progression through mitosis. J Biol Chem. 2003 Dec 26;278(52):52454-60.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_014397
Molecular Weight	~63kDa

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/nek6-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73746>