

NEK2 recombinant protein

NEK2, Active

CATALOG # AAA73742	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

NEK2; Active; NLK1; HsPK21; NEK2A; NEK2 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 NEK2 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 NEK2 recombinant protein	Recombinant full-length human NEK2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_002497. NEK 2 is closely related in its catalytic domain to the serine/threonine protein kinase NIMA of <i>Aspergillus nidulans</i> that is required for entry into mitosis and may function in parallel to the universal mitotic inducer p34cdc2. Like NIMA, the NEK2 protein is almost undetectable during G1 but accumulated progressively throughout S, reaching maximal levels in late G2 (1). NEK2 is shown to be expressed most abundantly in the testis of the adult tissues examined being localized to the nucleus (2).
Product Categories/Family for NEK2 recombinant protein	Protein Kinases; Cancer; Cell Cycle; Ser/Thr Kinases
References	1. Schultz, S.J. et al: A. Cell cycle-dependent expression of Nek2, a novel human protein kinase related to the NIMA mitotic regulator of <i>Aspergillus nidulans</i>. <i>Cell Growth Differ.</i> 1994 Jun;5(6):625-35. 2. Fry, A.M. et al: Substrate specificity and cell cycle regulation of the Nek2 protein kinase, a potential human homolog of the mitotic regulator NIMA of <i>Aspergillus nidulans</i>. <i>J Biol Chem.</i> 1995 May 26; 270(21):12899-905.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_002497
Molecular Weight	~76kDa

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/nek2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73742>