

NEK5 recombinant protein

NEK5, Active

CATALOG # AAA73745	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

NEK5; Active; MGC75495; NEK5 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 NEK5 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 NEK5 recombinant protein	Recombinant human NEK5 (1-508) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_199289. NEK5 or NIMA (never in mitosis gene a)-related kinase 5 is a serine/threonine kinase that is involved in cell cycle regulation. NEK5 has been shown to interact with NEK6 and NEK5 are required for the ibo1/nek6 ectopic outgrowth phenotype in epidermal cells (1). NEK6 interacts and co-localizes with NEK5 in a transient expression assay. The ibo1-3 mutation markedly increases the interaction between NEK6 and NEK5. NEK6 forms heterodimers with NEK5 to regulate cortical microtubule organization possibly through the phosphorylation of beta-tubulins. The NEK5 gene is conserved in chimpanzee, cow, mouse, rat, and chicken.
Product Categories/Family for NEK5 recombinant protein	Protein Kinases ; Cancer ; Cell Cycle ; Ser/Thr Kinases
References	1. Motose, H. et al: NIMA-related kinases 6, 4, and 5 interact with each other to regulate microtubule organization during epidermal cell expansion in Arabidopsis thaliana. Plant J. 2011 Sep;67(6):993-1005.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_199289
Molecular Weight	~84kDa

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/nek5-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73745>