

Recombinant Mouse Nek9 Protein, Myc/DDK-tagged

Cat. No. Nek9-4370M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length NIMA (never in mitosis gene a)-related expressed kinase 9 (Nek9), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Pleiotropic regulator of mitotic progression, participating in the control of spindle dynamics and chromosome separation. Phosphorylates different histones, myelin basic protein, beta-casein, and BICD2. Phosphorylates histone H3 on serine and threonine residues and beta-casein on serine residues Important for G1/S transition and S phase progression. Phosphorylates NEK6 and NEK7 and stimulates their activity by releasing the autoinhibitory functions of Tyr-108 and Tyr-97 respectively.
Molecular Mass	107.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Nek9 NIMA (never in mitosis gene a)-related expressed kinase 9 [Mus musculus (house mouse)]
Official Symbol	Nek9
Synonyms	NEK9; NIMA (never in mitosis gene a)-related expressed kinase 9; serine/threonine-protein kinase Nek9; nercc1 kinase; nimA-related protein kinase 9; never in mitosis A-related kinase 9; C130021H08Rik
Gene ID	217718
mRNA Refseq	NM_145138
Protein Refseq	NP_660120
UniProt ID	Q8K1R7

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