

NEK3 Protein, Mouse (sf9, His-GST)

Cat. No.:	HY-P76509
Synonyms:	Serine/threonine-protein kinase Nek3; HSPK 36; NimA-related protein kinase 3
Species:	Mouse
Source:	Sf9 insect cells
Accession:	ABK42288 (M1-A509)
Gene ID:	/
Molecular Weight:	Approximately 72 kDa.

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, pH 8.0, 10% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	NEK3 encodes a member of the NimA family of serine/threonine protein kinases. NEK3 protein differs from other NimA family members in that it is not cell cycle regulated and is found primarily in the cytoplasm. Nek3 is activated by prolactin stimulation, leading to phosphorylation of VAV2 guanine nucleotide exchange factor, paxillin, and activation of the RAC1 GTPase ^{[1][2]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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