

Recombinant Human NEK7, GST-tagged, Active

Cat. No. NEK7-371H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human NEK7 was expressed by <i>baculovirus</i> in <i>Sf9</i> insect cell/s using an N-terminal GST tag. MW=63 kDa.
Species	Human
Source	Sf9 Cells
Description	NEK7 is a member of the NIMA family of serine/threonine kinases. In contrast to the other documented NIMA-related kinases, NEK7 harbor its catalytic domain in the C-terminus of the protein. Immunofluorescence studies suggest that NEK7 is cytoplasmic and located on chromosome 1. The major protein kinase that is active on the p70 S6 kinase hydrophobic regulatory site (FXXFS/TF/Y) Thr412, was purified from rat liver and identified as NEK7. NEK7 kinase activity is rapidly and efficiently increased by serum deprivation, and may be regulated in a cell cycle-dependent manner.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70oC. 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.

GENE INFORMATION

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Gene Name	NEK7 NIMA (never in mitosis gene a)-related kinase 7 [Homo sapiens]
Synonyms	NEK7; NIMA (never in mitosis gene a)-related kinase 7; NIMA-related kinase 7; EC 2.7.11.1
Gene ID	140609
mRNA Refseq	NM_133494
Protein Refseq	NP_598001
MIM	606848
UniProt ID	Q8TDX7
Chromosome Location	1q31.3
Function	ATP binding; magnesium ion binding; nucleotide binding; protein phosphatase binding; protein serine/threonine kinase activity; transferase activity; protein serine/threonine kinase activity