Recombinant Human NEK6, GST-tagged, Active

Cat. No. NEK6-370H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human NEK6 was expressed by *baculovirus* in *Sf9 insect cells* using an N-terminal GST tag. MW=63 kDa.
Species	Human
Source	Sf9 Cells
Description	NEK6 is a serine/threonine kinase that is a member of the Nek family of protein kinases that share an amino-terminal catalytic domain related to NIMA family. Nek6 is a nuclear and cytoplasmic kinase that is required for mitotic progression of human cells. Nek6 is phosphorylated and activated during M phase of the cell cycle. Inhibition of Nek6 function by either overexpression of an inactive Nek6 mutant or elimination of endogenous Nek6 by siRNA arrests cells in M phase and triggers apoptosis.
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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	NEK6 NIMA (never in mitosis gene a)-related kinase 6 [Homo sapiens]
Synonyms	NEK6; NIMA (never in mitosis gene a)-related kinase 6; SID6-1512; NIMA-related kinase 6; OTTHUMP00000022097; putative serine-threonine protein kinase; EC 2.7.11.1
Gene ID	10783
mRNA Refseq	NM_001145001
Protein Refseq	NP_001138473
MIM	604043
UniProt ID	P51955
Chromosome Location	9q33.3-q34.11
Function	ATP binding; magnesium ion binding; nucleotide binding; protein phosphatase binding; protein serine/threonine kinase activity; transferase activity; protein serine/threonine kinase activity; signal transducer activity

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