Recombinant Human NEK2

Cat. No. NEK2-29279TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length NEK2 protein (Human), was expressed by baculovirus in Sf9 insect cells using a N-terminal tag, MW 76kDa.
Species	Human
Description	This gene encodes a serine/threonine-protein kinase that is involved in mitotic regulation. This protein is localized to the centrosome, and undetectable during G1 phase, but accumulates progressively throughout the S phase, reaching maximal levels in late G2 phase. Alternatively spliced transcript variants encoding different isoforms with distinct C-termini have been noted for this gene.
Tissue specificity	Isoform 1 and isoform 2 are expressed in peripheral blood T-cells and a wide variety of transformed cell types.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence	Belongs to the protein kinase superfamily. NEK Ser/Thr protein kinase family. NIMA

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Similarities	subfamily.Contains 1 protein kinase domain.
Full Length	Full L.

GENE INFORMATION

Gene Name	NEK2 NIMA (never in mitosis gene a)-related kinase 2 [Homo sapiens]
Official Symbol	NEK2
Synonyms	NEK2; NIMA (never in mitosis gene a)-related kinase 2; serine/threonine-protein kinase Nek2; HsPK 21; NEK2A; NLK1;
Gene ID	4751
mRNA Refseq	NM_001204182
Protein Refseq	NP_001191111
MIM	604043
Uniprot ID	P51955
Chromosome Location	1q32-q42
Pathway	Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; FOXM1 transcription factor network, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Loss of Nlp from mitotic centrosomes, organism-specific biosystem;
Function	ATP binding; metal ion binding; nucleotide binding; protein binding; protein kinase

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