

Recombinant Human NIMA-related kinase 7, His-tagged

Cat. No. NEK7-348H Lot. No. (See product label)

SPECIFICATION

Product Overview	NEK7, 1-302? aa, Human, His tag, E.coli?
Species	Human
Source	E.coli
ProteinLength	1-302 a.a.
Description	NEK7 is protein kinase which plays an important role in mitotic cell cycle progression. It is required for microtubule nucleation activity of the centrosome, robust mitotic spindle formation and cytokinesis. NEK7 is highly expressed in lung, muscle, testis, brain, heart, liver, leukocyte and spleen. Recombinant human NEK7 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol
Molecular Mass	37 kDa (326aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSMDDEQSQ GMQGPPVPQF QPQKALRPDM GYNTLANFRI EKKIGRGQFS EVYRAACLLD GVPVALKKVQ IFDLMDAKAR ADCIKEIDLL KQLNHPNVIK YYASFIEDNE LNIVLELADA GDLSRMIKHF KKQKRLIPER TVWKYFVQLC SALEHMHSRR VMHRDIKPAN VFITATGVVK LGDGLGRFF SSKTTAAHSL VGTPPYMSPE RIHENGYNFK SDIWSLGCLL YEMAALQSPF YGDKMNLVSL CKKIEQCDYP PLPSDHYSEE LRQLVNMICIN

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PDPEKRPDVT YVYDVAKRMH ACTASS

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [NEK7 NIMA \(never in mitosis gene a\)-related kinase 7 \[Homo sapiens \]](#)

Official Symbol NEK7

Synonyms NEK7; NIMA (never in mitosis gene a)-related kinase 7; serine/threonine-protein kinase Nek7; nimA-related protein kinase 7; never in mitosis A-related kinase 7;

Gene ID [140609](#)

mRNA Refseq [NM_133494](#)

Protein Refseq [NP_598001](#)

MIM [606848](#)

UniProt ID [Q8TDX7](#)

Chromosome Location 1q31.3

Function ATP binding; metal ion binding; nucleotide binding; protein serine/threonine kinase

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