NEK7, 1-302 aa, Human, His tag, E.coli

Cat.NO.: TP03141

3th Edition

Synonyms: Serine/threonine-protein kinase Nek7, NIMA (never in mitosis gene a)-related kinase 7

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 Weight:37 kDa (326aa) confirmed by MALDI-TOF

Sequences:
MGSSHHHHHHSSGLVPRGSHMGSHMDEQSQGMQGPPVPQFQPQKALRPDMGYNTLANFRIEKKIGRGQFSEVY
RAACLLDGVPVALKKVQIFDLMDAKARADCIKEIDLLKQLNHPNVIKYYASFIEDNELNIVLELADAGDLSRMIKHFKK
QKRLIPERTVWKYFVQLCSALEHMHSRRVMHRDIKPANVFITATGVVKLGDLGLGRFFSSKTTAAHSLVGTPYYMS
PERIHENGYNFKSDIWSLGCLLYEMAALQSPFYGDKMNLYSLCKKIEQCDYPPLPSDHYSEELRQLVNMCINPDPE
KRPDVTYVYDVAKRMHACTASS

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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