

NEK7 Human

Description:NEK7 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 326 amino acids (1-302 a.a) and having a molecular mass of 37kDa.NEK7 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PKPS-051

For research use only.

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

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered clear solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMDEQSQ GMQGPPVPQF
QPQKALRPDM GYNTLANFRI EKKIGRGQFS EVYRAACLLD GVPVALKKVQ IFDLMDAKAR
ADCIKEIDLL KQLNHPNVIK YYASFIEDNE LNIVLELADA GDLSRMKHF KKQKRLIPER
TVWKYFVQLC SALEHMHRR VMHRDIKPAN VFITATGVVK LGDLGLGRFF SSKTTAAHSL
VGTPYYMSPE RI

Purity:Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The NEK7 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) , 0.15M NaCl and 20% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

NEK7, protein kinase, has a vital role in mitotic cell cycle progression. It is essential for microtubule nucleation activity of the centrosome, robust mitotic spindle formation and cytokinesis. NEK7 is greatly expressed in lung, muscle, testis, brain, heart, liver, leukocyte and spleen.

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