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**Product Data Sheet**


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Product Name: NEK7 Human  
 Cat. No.: GP22567  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	NIMA (never in mitosis gene a)-related kinase 7; Serine/threonine-protein kinase Nek7.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGS HMDEQSQ GMQGPPVPQF QPQKALRPDM GYNTLANFRI EKKIGRGQFS EVYRAACLLD GVPVALKKVQ IFDLMDAKAR ADCIKEIDLL KQLNHPNVIK YYASFIEDNE LNIVLELADA GDLSRMKHF KKQKRLIPER TVWKYFVQLC SALEHMHSRR VMHRDIKPAN VFITATGVVK LGDLGLGRFF SSKTTAAHSL VGTPYYMSPE RIHENGYNFK SDIWSLGCLL YEMAALQSPF YGDKMNLVSL CKKIEQCDYP PLPSDHYSEE LRQLVNMICIN PDPEKRPDVT YVYDVAKRMH ACTASS.		
Formulation	The NEK7 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) , 0.15M NaCl and 20% glycerol.		

**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.

**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.

**Background**

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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37kDa.NEK7 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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