

Recombinant Human NEK7 GST Active

Catalog No.	CRN101A CRN101B	Quantity:	5 µg 10 µg
Description:	<p>Recombinant full length human NEK7 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. It has a MW = ~63 kDa.</p> <p>Nek7 is a member of the NIMA (never in mitosis, gene A) family of serine/threonine kinases. In contrast to the other documented NIMA-related kinases, Nek7 harbor its catalytic domain in the C-terminus of the protein. Immunofluorescence studies suggest that Nek7 is cytoplasmic and located on chromosome 1. The major protein kinase that is active on the p70 S6 kinase hydrophobic regulatory site (FXXFS/TF/Y) Thr412, was purified from rat liver and identified as Nek7. Nek7 kinase activity is rapidly and efficiently increased by serum deprivation, and may be regulated in a cell cycle-dependent manner.</p>		
Concentration:	0.1 mg/ml		
Gene Accession No:	NM_133494		
Source:	Sf9 insect cells		
Formulation:	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5 + 150 mM NaCl + 0.25 mM DTT + 0.1 mM EGTA + 0.1 mM EDTA + 0.1 mM PMSF + 25% glycerol.		
Purity:	> 90%, determined by densitometry.		
Specific Activity:	221 nmol/min/mg		
Storage & Stability:	<p>Product shipped on dry ice. Store product frozen at or below -70°C. Stable for 1 year at -70°C from date of receipt. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For best performance, avoid repeated handling and repeated freeze-thaw cycles.</p>		

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