

Active Recombinant Human NEK1 Protein, GST-tagged

Cat. No. NEK1-9928H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NEK1 (1-477) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
ProteinLength	1-477
Description	The protein encoded by this gene is a serine/threonine kinase involved in cell cycle regulation. The encoded protein is found in a centrosomal complex with FEZ1, a neuronal protein that plays a role in axonal development. Defects in this gene are a cause of polycystic kidney disease (PKD). Several transcript variants encoding different isoforms have been found for this gene.
Bio-activity	11 nmol/min/mg
Molecular Mass	85 kDa
Purity	> 85%
Stability	One year at -70 centigrade from date of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most

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favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Concentration 0.05 µg/µL

Storage Buffer 50mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.

GENE INFORMATION

Gene Name NEK1 NIMA related kinase 1 [Homo sapiens (human)]

Official Symbol NEK1

Synonyms NEK1; NIMA related kinase 1; ALS24; SRPS2; SRTD6; SRPS2A; NY-REN-55; serine/threonine-protein kinase Nek1; NIMA (never in mitosis gene a)-related kinase 1; never in mitosis A-related kinase 1; nimA-related protein kinase 1; protein-serine/threonine kinase; renal carcinoma antigen NY-REN-55; EC 2.7.11.1

Gene ID 4750

mRNA Refseq NM_012224

Protein Refseq NP_036356

MIM 604588

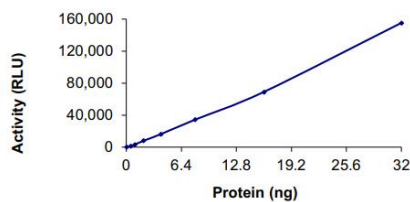
UniProt ID Q96PY6

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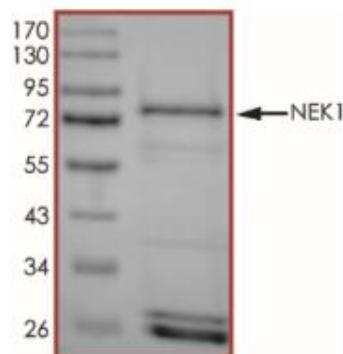
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Specific Activity



The specific activity of NEK1 was determined to be 11 nmol/min/mg as per activity assay protocol.

Purity



The purity of NEK1 was determined to be >85% by densitometry.