

Recombinant Human NEK1

Cat. No. NEK1-29277TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human NEK1 with an N terminal proprietary tag; Predicted MWt 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
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.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	High fetal expression in the brain and kidney.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	DVDKSVQPEPFFHKVVHSEHLNLVPQVQSVQCSPEESFAFRSHSHLPPKNKNKNSL LIGLSTGLFDANNPKMLRRTCSLPDLSKLFRTLMDVPTVGDVRQD
Sequence Similarities	Belongs to the protein kinase superfamily. NEK Ser/Thr protein kinase family. NIMA subfamily.Contains 1 protein kinase domain.

GENE INFORMATION

Gene Name	NEK1 NIMA (never in mitosis gene a)-related kinase 1 [Homo sapiens]
Official Symbol	NEK1
Synonyms	NEK1; NIMA (never in mitosis gene a)-related kinase 1; serine/threonine-protein kinase Nek1; KIAA1901; NY REN 55;
Gene ID	4750
mRNA Refseq	NM_001199397
Protein Refseq	NP_001186326
MIM	604588
Uniprot ID	Q96PY6
Chromosome Location	4q32.3
Function	ATP binding; metal ion binding; nucleotide binding; protein binding; protein kinase

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