

Recombinant Active Human NEK10 Protein, GST-tagged

Cat. No. NEK10-34H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NEK10 (266-895) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
ProteinLength	266-895
Description	Plays a role in the cellular response to UV irradiation. Mediates G2/M cell cycle arrest, MEK autoactivation and ERK1/2-signaling pathway activation in response to UV irradiation. In ciliated cells of airways, it is involved in the regulation of mucociliary transport.
Molecular Mass	Approx 98 kDa
Purity	> 85%
Stability	One year at -70 centigrade from data 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 favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.05 µg/µL

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Storage Buffer	Recombinant protein stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.
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Shipping	Dry ice
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GENE INFORMATION

Gene Name	NEK10 NIMA related kinase 10 [Homo sapiens (human)]
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Official Symbol	NEK10
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Synonyms	NEK10; NIMA related kinase 10; CILD44; serine/threonine-protein kinase Nek10; NIMA (never in mitosis gene a)- related kinase 10; never in mitosis A-related kinase 10; nimA-related protein kinase 10; EC 2.7.11.1
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Gene ID	152110
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mRNA Refseq	NM_152534
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Protein Refseq	NP_689747
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MIM	618726
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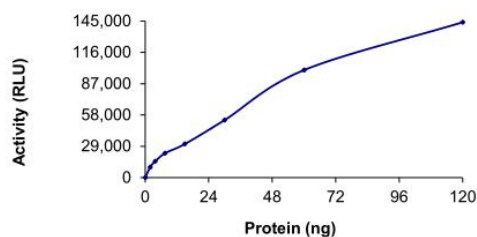
UniProt ID	Q6ZWH5
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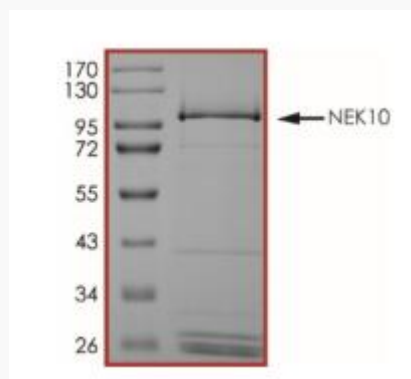
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Specific Activity



The specific activity of NEK10 was determined to be 13 nmol/min/mg as per activity assay protocol.

Purity



The purity of NEK10 was determined to be >85% by densitometry.