

Recombinant Human NEK6 Protein (A2-T313), GST tagged

Cat. No. NEK6-0908H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GST-TEV-GG-NEK6(A2-T313 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	A2-T313
Description	Protein kinase which plays an important role in mitotic cell cycle progression. Required for chromosome segregation at metaphase-anaphase transition, robust mitotic spindle formation and cytokinesis. Phosphorylates ATF4, CIR1, PTN, RAD26L, RBBP6, RPS7, RPS6KB1, TRIP4, STAT3 and histones H1 and H3. Phosphorylates KIF11 to promote mitotic spindle formation. Involved in G2/M phase cell cycle arrest induced by DNA damage. Inhibition of activity results in apoptosis. May contribute to tumorigenesis by suppressing p53/TP53-induced cancer cell senescence. Phosphorylates EML4 at 'Ser-144', promoting its dissociation from microtubules during mitosis which is required for efficient chromosome congression.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50mM Tris-HCl (pH 7.5), 200mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	NEK6 NIMA (never in mitosis gene a)-related kinase 6 [Homo sapiens (human)]
Official Symbol	NEK6
Synonyms	NEK6; NIMA (never in mitosis gene a)-related kinase 6; SID6-1512;
Gene ID	10783
mRNA Refseq	NM_014397
Protein Refseq	NP_055212
MIM	604884
UniProt ID	Q9HC98

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