

## Recombinant Human NEK4 (N-GST tag)

Cat No:HR2R1784

For research use only

### Overview

Quantity	10 ?g
Gene Symbol	NEK4
Gene ID	N/A
Accession	BC063044
Alternative Name	NRK2, STK2
Species	Human
Source	Insect cells
Description	NEK4 or Never In Mitosis A-related kinase 4 is a serine/threonine protein kinase. Northern blot show NEK4 is expressed as 2 mRNAs of 4.0 kb and 6.8 kb in heart and several other tissues. NEK4 gene encodes an 841-amino acid polypeptide and the levels of NEK4 mRNA remain invariant throughout the cell cycle . Nek4 has been identified in a genetic screen as a mediator of response to Taxol . After Taxol treatment, NEK4 promoted microtubule outgrowth, whereas NEK4 deficiency impaired G-M arrest and decreased formation of mitotic-like asters. In contrast, NEK4 deficiency sensitized cells to vincristine, which destabilizes microtubules.
Functions	The specific activity of NEK4 was determined to be 15 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	160
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. 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.