

Recombinant Human NEK5 (N-GST tag)

Cat No:HR2R1785

For research use only

Overview

Quantity	10 ?g
Gene Symbol	NEK5
Gene ID	N/A
Accession	NM_199289
Alternative Name	MGC75495
Species	Human
Source	Insect cells
Description	NEK5 or NIMA (never in mitosis gene a)-related kinase 5 is a serine/threonine kinase that is involved in cell cycle regulation. NEK5 has been shown to interact with NEK6 and NEK5 are required for the ibo1/nek6 ectopic outgrowth phenotype in epidermal cells. NEK6 interacts and co-localizes with NEK5 in a transient expression assay. The ibo1-3 mutation markedly increases the interaction between NEK6 and NEK5. NEK6 forms heterodimers with NEK5 to regulate cortical microtubule organization possibly through the phosphorylation of ?-tubulins. The NEK5 gene is conserved in chimpanzee, cow, mouse, rat, and chicken.
Functions	The specific activity of NEK5 was determined to be 100 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	84
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.