Recombinant Mouse NEK1 (N-GST tag)

Cat No:HR2R2208

For research use only

Overview

Quantity	10 ?g
Gene Symbol	NEK1
Gene ID	N/A
Accession	NM_175089
Alternative Name	D8Ertd790e; kat; MGC189817
Species	Mouse
Source	Insect cells
Description	NEK1 or NIMA (never in mitosis gene a)-related kinase 1 is a serine/threonine kinase involved in cell cycle regulation and is found in a centrosomal complex with FEZ1, a neuronal protein that plays a role in axonal development. NEK1 is involved early in the DNA damage response pathway . NEK1 cycles through the nucleus via its nuclear localization and export signals . NEK1 protein participates in different signaling pathways to regulate diverse cellular processes and plays an important role in the kidney where it has opened a new avenue for studying cystogenesis and identifying possible modes of therapy.
Functions	The specific activity of NEK1 was determined to be 70 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	85
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.