

Bioactive

Full-Length

NEK6 (Human) Recombinant Protein

Catalog # P6529

Size 5 ug

Applications

Result of activity analysis

Result of activity analysis



Specification

Product Description	Human NEK6 (NP_055212.2, 1 a.a. - 313 a.a.) full length recombinant protein with GST-tag at N-terminal using baculovirus expression system.
Host	Viruses
Form	Liquid
Preparation Method	Baculovirus expression system.
Purification	Glutathione sepharose chromatography.
Purity	0.88
Activity	The activity was measured by off-chip mobility shift assay (MSA). The enzyme was incubated with fluorescence-labeled substrate and Mg (or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by MSA device. Substrate: CDK7 peptide, ATP: 100 uM.
Quality Control Testing	The purity was assessed by SDS-PAGE/CBB staining.
Storage Buffer	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Storage Instruction	Stored at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Result of activity analysis
	Result of activity analysis

Applications

- Functional Study

Gene Info — NEK6

Entrez GeneID	10783
Protein Accession#	NP_055212.2
Gene Name	NEK6
Gene Alias	SID6-1512
Gene Description	NIMA (never in mitosis gene a)-related kinase 6
Omim ID	604884
Gene Ontology	Hyperlink
Gene Summary	The Aspergillus nidulans 'never in mitosis A' (NIMA) gene encodes a serine/threonine kinase that controls initiation of mitosis. NIMA-related kinases (NEKs) are a group of protein kinases that are homologous to NIMA. Evidence suggests that NEKs perform functions similar to those of NIMA.[s applied by OMIM
Other Designations	OTTHUMP00000022095 OTTHUMP00000022097 putative serine-threonine protein kinase

Disease

- [Genetic Predisposition to Disease](#)
- [Narcolepsy](#)
- [Tobacco Use Disorder](#)