

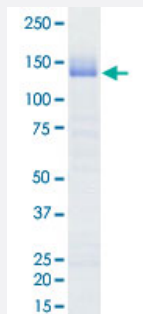
Bioactive

Full-Length

NEK4 (Human) Recombinant Protein

Catalog # P5612 Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

□

Specification

Product Description	Human NEK4 (NP_003148.2, 1 a.a. - 841 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	122
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	84 % by SDS-PAGE/CBB staining

Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: GS peptide. ATP: 100 μ M.
Quality Control Testing	Loading 1 μ g protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — NEK4

Entrez GeneID	6787
Protein Accession#	NP_003148.2
Gene Name	NEK4
Gene Alias	MGC33171, NRK2, STK2, pp12301
Gene Description	NIMA (never in mitosis gene a)-related kinase 4
Omim ID	601959
Gene Ontology	Hyperlink
Other Designations	serine/threonine kinase 2 serine/threonine protein kinase-2

Disease

- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)

- [Kidney Failure](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)