

NEK7, Active recombinant protein
NEK, Serine/threonine-protein kinase Nek7
Catalog # PBV11293r**Specification**

NEK7, Active recombinant protein - Product info

Primary Accession	Q8TDX7
Concentration	0.1
Calculated MW	63.0 kDa KDa

NEK7, Active recombinant protein - Additional Info

Gene ID	140609
Gene Symbol	NEK7

Other Names

NEK, Serine/threonine-protein kinase Nek6, Serine/threonine-protein kinase Nek6, Never in mitosis A-related kinase 6, NimA-related protein kinase 6, Protein kinase SID6-1512

Source	Baculovirus (Sf9 insect cells)
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	HPLC;
Recombinant	Yes
Format	
Liquid	

Storage

-80°C; Recombinant proteins in storage buffer (50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.25 mM DTT, 0.1 mM EGTA, 0.1 mM EDTA, 0.1 mM PMSF, 25% glycerol).

NEK7, Active recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NEK7, Active recombinant protein - Images**NEK7, Active recombinant protein - Background**

Nek7 is a member of the NIMA (never in mitosis, gene A) family of serine/threonine kinases. In contrast to the other documented NIMA-related kinases, Nek7 harbor its catalytic domain in the C-terminus of the protein. Immunofluorescence studies suggest that Nek7 is cytoplasmic and

located on chromosome 1 (1). During early embryogenesis Nek7 is expressed in the site of decidual reaction while later in embryogenesis, it is almost exclusively restricted to the nervous system in the dorsal thalamus (2). The major protein kinase that is active on the p70 S6 kinase hydrophobic regulatory site (FXXFS/TF/Y) Thr412 was purified from rat liver and identified as Nek7 (3). Nek7 kinase activity is rapidly and efficiently increased by serum deprivation, and may be regulated in a cell cycle-dependent manner.