

# Recombinant human NEK9 protein ab125614

[1 References](#)   [5 图像](#)

### 描述

产品名称	重组人NEK9蛋白
生物活性	The specific activity of ab125614 was determined to be 120 nmol/mg/min.
纯度	> 75 % SDS-PAGE. Purity determined to be >75% by densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
Accession	<b><u>NM_033116</u></b>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
预测分子量	115 kDa including tags
氨基酸	1 to 979
标签	GST tag N-Terminus
额外的序列信息	1-979; deleted fragment of 346-731

### 技术指标

Our <b><u>Abpromise guarantee</u></b> covers the use of <b>ab125614</b> in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	Western blot Functional Studies SDS-PAGE
形式	Liquid
补充说明	<b><u>ab64311</u></b> (Myelin Basic Protein protein) can be utilized as a substrate for assessing kinase activity

### 制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
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pH: 7.50

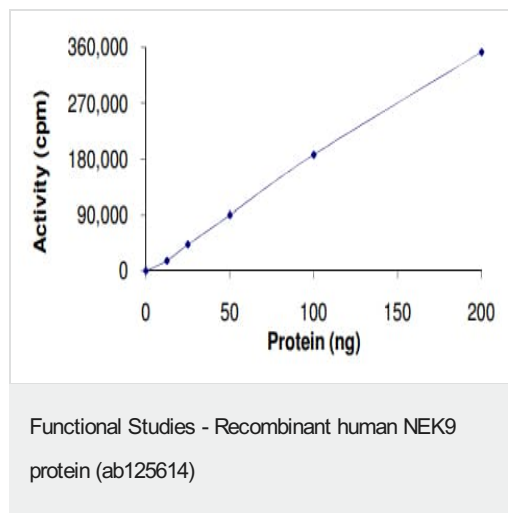
Constituents: 0.004% EGTA, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

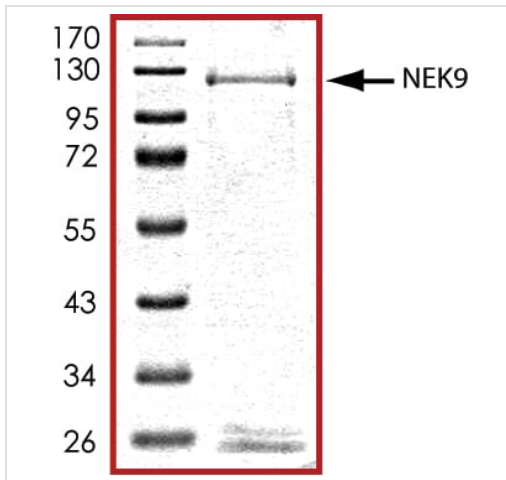
## 常规信息

功能	Pleiotropic regulator of mitotic progression, participating in the control of spindle dynamics and chromosome separation. Phosphorylates different histones, myelin basic protein, beta-casein, and BICD2. Phosphorylates histone H3 on serine and threonine residues and beta-casein on serine residues. Important for G1/S transition and S phase progression.
组织特异性	Most abundant in heart, liver, kidney and testis. Also expressed in smooth muscle cells and fibroblasts.
序列相似性	Belongs to the protein kinase superfamily. NEK Ser/Thr protein kinase family. NIMA subfamily. Contains 1 protein kinase domain. Contains 6 RCC1 repeats.
发展阶段	Expression varied mildly across the cell cycle, with highest expression observed in G1 and stationary-phase cells.
结构域	Dimerizes through its coiled-coil domain.
翻译后修饰	Autophosphorylated on serine and threonine residues. When complexed with FACT, exhibits markedly elevated phosphorylation on Thr-210. During mitosis, not phosphorylated on Thr-210. Phosphorylated by CDK1 in vitro.
细胞定位	Cytoplasm. Nucleus.

## 图片

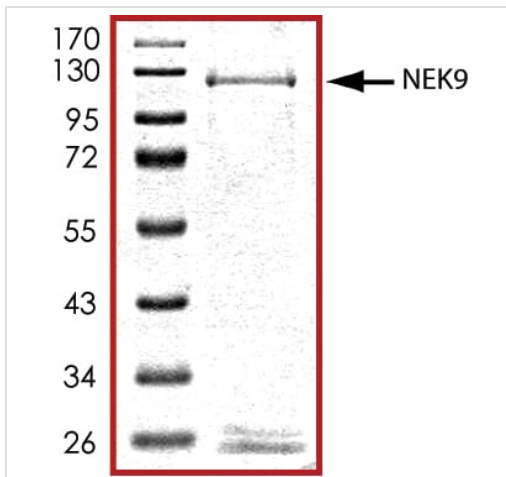


The specific activity of NEK9 (ab125614) was determined to be 121 nmol/min/mg as per activity assay protocol



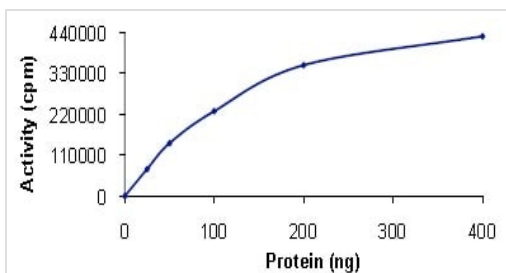
SDS PAGE analysis of ab125614

SDS-PAGE - Recombinant human NEK9 protein  
(ab125614)



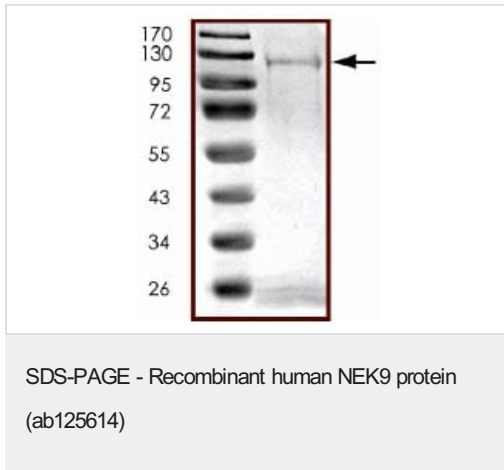
SDS PAGE analysis of ab125614

SDS-PAGE - Recombinant human NEK9 protein  
(ab125614)



Sample Kinase Assay showing the specific activity of ab125614 as  
120 nmol/min/mg.

Functional Studies - Recombinant human NEK9  
protein (ab125614)



SDS-PAGE analysis of ab125614.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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