

Product datasheet

Recombinant human NEK11 protein ab125544

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Description

Product name	Recombinant human NEK11 protein
Biological activity	The specific activity of ab125544 was determined to be 25 nmol/min/mg as per activity assay protocol.
Purity	> 90 % SDS-PAGE. Assessed by densitometry. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Accession	<u>Q8NG66</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	110 kDa including tags
Amino acids	1 to 645

Specifications

Our **Abpromise guarantee** covers the use of **ab125544** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot Functional Studies SDS-PAGE
Form	Liquid
Additional notes	<u>ab64311</u> (Myelin Basic Protein protein) can be utilized as a substrate for assessing kinase activity

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.004% EGTA, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25%
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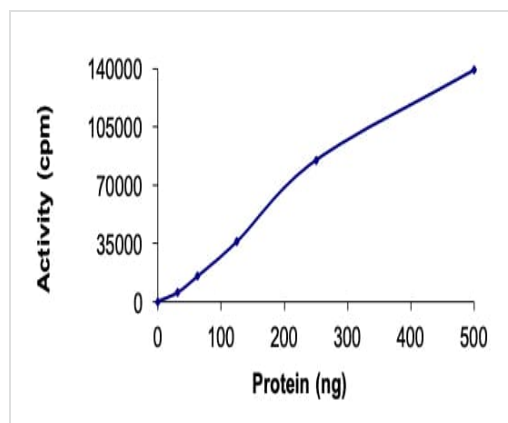
Glycerol (glycerin, glycerine), 0.88% Sodium chloride

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

General Info

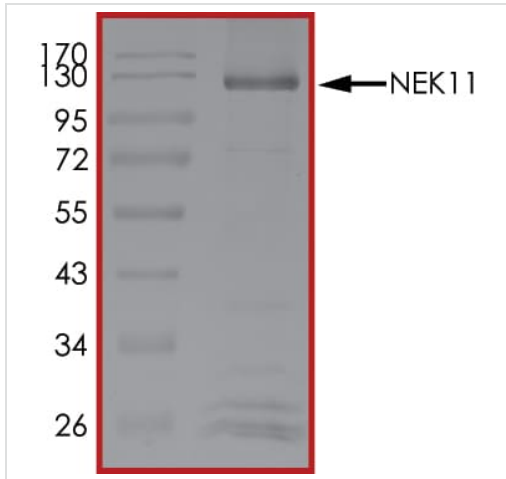
Function	Possible role in S-phase checkpoint mechanism.
Tissue specificity	Poorly expressed in cerebellum, trachea, lung, appendix, and uterus.
Sequence similarities	Belongs to the protein kinase superfamily. NEK Ser/Thr protein kinase family. NIMA subfamily. Contains 1 protein kinase domain.
Developmental stage	Predominantly expressed at S/G2/M phase.
Post-translational modifications	Phosphorylated.
Cellular localization	Nucleus. Nucleus > nucleolus. Nuclear during interphase but moves to the polar microtubules during prometaphase and metaphase. Accumulates in the nucleolus in G1/S-arrested cells.

Images



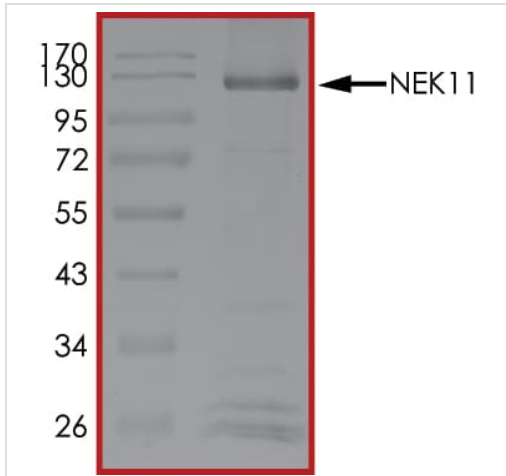
The specific activity of NEK11 (ab125544) was determined to be 21 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human NEK11 protein (ab125544)



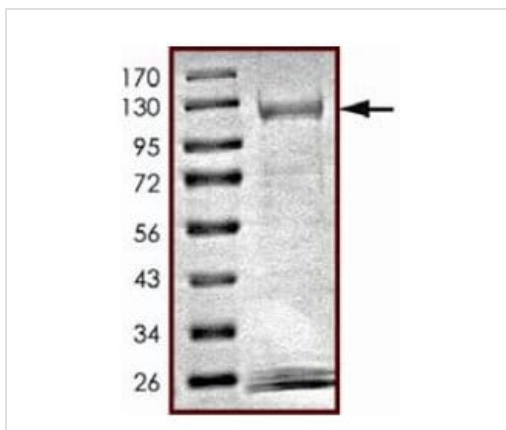
SDS PAGE analysis of ab125544

SDS-PAGE - Recombinant human NEK11 protein
(ab125544)



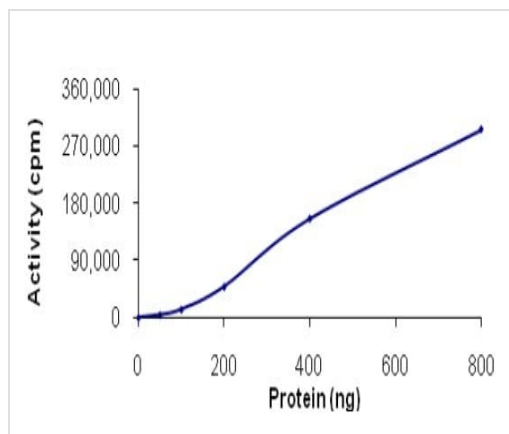
SDS PAGE analysis of ab125544

SDS-PAGE - Recombinant human NEK11 protein
(ab125544)



SDS-PAGE analysis of ab125544.

SDS-PAGE - Recombinant human NEK11 protein
(ab125544)



Functional Studies - Recombinant human NEK11 protein (ab125544)

The specific activity of ab125544 was determined to be 25nmol/min/mg.

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

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