

Datasheet for ABIN7549826  
**NEK3 Protein (AA 1-506) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NEK3
Protein Characteristics:	AA 1-506
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NEK3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat NEK3 Protein expressed in mammalian cells.
Sequence:	<p>MDDYMLRMI GEGSFGRALL VQHESSNQMF AMKEIRLPKS FSNTQNSRKE AVLLAKMKHP</p> <p>NIVAFKESFE AEGHLYIVME YCDGGDLMQK IKQKQKGLFP EDMILNWFTQ MCLGVNHIHK</p> <p>KRVLHRDIKS KNIFLTQNGK VKLGDFGSAR LLSNPMAFAC TYVGTPYYVP PEIWENLPYN</p> <p>NKSDIWSLGC ILYELCTLKH PFQANSWKNL ILKVCQGCIS PLPSHYSYEL QFLVKQMFKR</p> <p>NPSHRPSATT LLSRGIVARL VQKCLPPEII MEYGEEVLEE IKNSKHNTPR KKTNP SRIRI</p> <p>ALGNEASTVQ EEEQDRKGSH TDLESINENL VESALRRVNR EEKGNKSVHL RKASSPNLHR</p> <p>RQWEKNVPNT ALTALENASI LTSSLTAEDD RGGSVIKYSK NTTRKQWLKE TPDLLNILK</p> <p>NADLSLAFQT YTIYRPGSEG FLKGPLSEET EASDSVDGGH DSVILDPERL EPGLDEEDTD</p> <p>FEEEDDNPDW VSELKKRAGW QGLCDR <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>

## Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

## Target Details

Target:	NEK3
Alternative Name:	NEK3 ( <a href="#">NEK3 Products</a> )
Background:	<p>Serine/threonine-protein kinase Nek3 (EC 2.7.11.1) (HSPK 36) (Never in mitosis A-related kinase 3) (NimA-related protein kinase 3),FUNCTION: Protein kinase which influences neuronal morphogenesis and polarity through effects on microtubules. Regulates microtubule acetylation in neurons. Contributes to prolactin-mediated phosphorylation of PXN and VAV2. Implicated in prolactin-mediated cytoskeletal reorganization and motility of breast cancer cells through mechanisms involving RAC1 activation and phosphorylation of PXN and VAV2. {ECO:0000269 PubMed:15618286, ECO:0000269 PubMed:17297458}.</p>
Molecular Weight:	57.7 kDa
UniProt:	<a href="#">P51956</a>

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months