

Datasheet for ABIN7549694

NEK11 Protein (AA 1-645) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	NEK11
Protein Characteristics:	AA 1-645
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NEK11 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinant NEK11 Protein expressed in mammalian cells.
Sequence:	<p>MLKFQEAAC VSGSTAISTY PKTLIARRYV LQQKLGSGSF GTVYLVSDKK AKRGEELKVL</p> <p>KEISVGELNP NETVQANLEA QLLSKLDHPA IVKFHASFVE QDNFCIITEY CEGRDLDLDDKI</p> <p>QEYKQAGKIF PENQIIEWFI QLLLGVDYMH ERRILHRDLK SKNVFLKNNL LKIGDFGVSR</p> <p>LLMGSCDLAT TLTGTPHYMS PEALKHQGYD TKSDIWSLAC ILYEMCCMNH AFAGSNFLSI</p> <p>VLKIVEGDTP SLPERYPKEL NAIMESMLNK NPSLRPSAIE ILKIPYLDEQ LQNLNLCRYSE</p> <p>MTLEDKNLDC QKEAAHIINA MQKRIHLQTL RALSEVQKMT PRERMRLRKL QAADEKARKL</p> <p>KKIVEEKYEE NSKRMQELRS RNFQQLSVDV LHEKTHLKGM EEKEEQPEGR LSCSPQDEDE</p> <p>ERWQGREES DEPTLENLPE SQPIPSMDLH ELESIVEDAT SDLGYHEIPE DPLVAEEYYA</p> <p>DAFDSYCEES DEEEEEIALE RPEKEIRNEG SQPAYRTNQQ DSDIEALARC LENVLGCTSL</p> <p>DTKTITTMAE DMSPGPPIFN SVMARTKMKR MRESAMQLG TEVFEEVYNY LKRARHQNAS</p> <p>EAEIRECLEK VVPQASDCFE VDQLLYFEEQ LLITMGKEPT LQNLH Sequence without tag. The</p>

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.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

NEK11

Alternative Name:

NEK11 ([NEK11 Products](#))

Background:

Serine/threonine-protein kinase Nek11 (EC 2.7.11.1) (Never in mitosis A-related kinase 11) (NimA-related protein kinase 11),FUNCTION: Protein kinase which plays an important role in the G2/M checkpoint response to DNA damage. Controls degradation of CDC25A by directly phosphorylating it on residues whose phosphorylation is required for BTRC-mediated polyubiquitination and degradation. {ECO:0000269|PubMed:12154088, ECO:0000269|PubMed:19734889, ECO:0000269|PubMed:20090422}.

Molecular Weight:

74.2 kDa

UniProt:

[Q8NG66](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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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