

Datasheet for ABIN7559085

NEK11 Protein (AA 1-628) (His tag)



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Overview

| | |
|-------------------------------|----------------------------------------------|
| Quantity: | 1 mg |
| Target: | NEK11 |
| Protein Characteristics: | AA 1-628 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This NEK11 protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant Nek11 Protein expressed in mammalian cells. |
| Sequence: | <p>MLKFQETAKC VGRRPVTPM YPTALIARRY VLQKLGSGS FGTVYLVSDK KAKPGEELKV</p> <p>LKEISVGELN PNETVQANVE AQLLSRLHHP AIVRFHASFM EQETFCIITE YCEGRDLDYR</p> <p>IQEYKEAGKV FAENQIVWF IQLLLGVDYM HERRILHRDL KSKNIFLKNN LLKIGDFGVS</p> <p>RLLMGSCELA TTLTGTPHYM SPEALKHQGY DAKSDIWSLA CILYEMCCLD HAFAGSSFLS</p> <p>VVLNIVEGKT PSLPDRYPRE LNTIMERMLN KSPSLRPSAA DILKAPYMEE QLQLLMCKYP</p> <p>EMTLEDKNSV CQKEAAHTIN AVQKKLHLQT LQALSDTQKT TPRERMWLRK LQAADERARR</p> <p>LKKIAEENYK ENDKRMQALR SRNVGSVHAH VLHELDERTL ESLPEPQSLP CLDLDELEPS</p> <p>LEDTIVDLGH YEIPEDPLVA EQYYSDFVDS CSEDSEEQEE EMIFSEAGGD TKEEESPSVY</p> <p>RTNQQSDTA ALVGCLEHVL GYTS�DTKI TNAVTDMSPG PMVFNSAVAR TKMKRMKESA</p> <p>VQKLGMEFFE EVYDYLKRAR HQNAREAEIW EHLETVVPRA SDCFEVDQLL YFEELLLTME</p> <p>GKEPSLQNL PCEAAQKKPVK GTHFCDNP Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the</p> |

protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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:0000250|UniProtKB:Q8NG66}.

Molecular Weight: 71.6 kDa

UniProt: [Q8C0Q4](#)

Application Details

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|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions: | For Research Use only |

Handling

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| 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 |