

Datasheet for ABIN7565277
NEK4 Protein (AA 1-792) (His tag)



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Overview

Quantity:	1 mg
Target:	NEK4
Protein Characteristics:	AA 1-792
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NEK4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Nek4 Protein expressed in mammalian cells.
Sequence:	MPQAAYCYMR VVGRGSYGEV TLVKHRRDGK QYVIKKLNLR NASSRERRAA EQEAQLLSQL KHPNIVTYKE SWEGGDGLLY IVMGFCEGGD LYRKLKEQKG QLLPESQVVE WfvQIAMALQ YLHEKHILHR DLKTQNVFLT RTNIIKVGDL GIARVLENHG DMASTLIGTP YYMSPELFSN KPYNYKSDVW ALGCCVYEMA TLKHAFNAKD MNSLVYRIIE GKLPPMPKVY STELAELIRT MLSRRPEERP SVRSILRQPY IKHHISLFLE ATKAKTSKNN VKNCDsRAKP VAAVVSrKEE SNTDVIHYQP RSSEGSALHV MGEDKCLSQE KPVDIGPLRS PASLEGHTGK QDMNNTGESc ATISRINIDI LPAERRDSAN AGVVQESQPQ HVDAADEVDS QCSISQEKER LQGNTKSSDQ PGNLLPRRSS DGGDGEGSEL VKPLYPSNKD QKPDQDQVTG ILENQDSIHP RSQPHSSMSE PSLSRQRRQK KREQTAHSGT KSQFQELPPR LLPSYPGIGK VDIIATQQND GNQGGPVAGC VNSSRTSSTA SAKDRPLSAR ERRRLKQSQE EMLPSGPAVQ RTPSAVEPLK PQEEDQPIPA QRFSSDCSIT QMNHTLPREK EKRLMHGLSE DELSSSTSST DKSDGDSREG KSHTNEMKDL

Product Details

VQLMTQTLRL EAKESCEDLQ VLNPGSEFRL HRKYRDTLVL HGKVAEEVEP HCTELPTGII
PGSEKIRRIV EVLRADVIQG LGIQLLEQVF DLLGEEDELE REARLQEHMG DKYTTYCVKA
RQLKFFEENV SF **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.**

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none">• 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). <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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	NEK4
Alternative Name:	Nek4 (NEK4 Products)
Background:	Serine/threonine-protein kinase Nek4 (EC 2.7.11.1) (Never in mitosis A-related kinase 4) (NimA-related protein kinase 4) (Serine/threonine-protein kinase 2),FUNCTION: Required for normal entry into proliferative arrest after a limited number of cell divisions, also called replicative senescence. Required for normal cell cycle arrest in response to double-stranded DNA damage (By similarity). Protein kinase that seems to act exclusively upon threonine residues. {ECO:0000250 UniProtKB:P51957, ECO:0000269 PubMed:10529384}.
Molecular Weight:	89.0 kDa

Target Details

UniProt: [Q9Z1J2](#)

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.

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