

Datasheet for ABIN7563711

NEK10 Protein (AA 1-1111) (His tag)



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Overview

Quantity:	1 mg
Target:	NEK10
Protein Characteristics:	AA 1-1111
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NEK10 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Nek10 Protein expressed in mammalian cells.
Sequence:	MPDQDTKAKS TEKTADKQQG TTRDYSCLK RLRCLLVQS SKQQLPAINF DSAQNNMTKS EPTIRTGGHR ARGQWHESTE AVELENFSIN YKNERNFSKH PQHQLFQEIF TALVRNRLIC REWVNRA PSI HFLRVLICLR LLMRDPCYQE ILHKLGGIED LAQYMEIVAN EYLGAAEEQH CVDKLVNMTY IFQKLA VKD QREWVTASGA HKTLVSLLGA RDTTVLLGAL LALASLAESS ECREKISELN VVENLLMILH EYDLLSKRLT AELLRLCAE PQIKEQVKLY EGIPILLSLL HSDHLKLLWS VIWILVQVCE DPETSVEIRI WGGIKQLLHI LQGDRNFVSD RSSIGSLSSA NAAGRIQLH LSEDLSPGEI EENTVSLQAA CCAALTELAL NDTNAHQVVQ ENGVYTIACL ILPNKQSNAA QTNLLQCYAF RTLRFLFSME RNRPLFKRLF PTDLFETFID IGHYVRDIGA YKDLVSQLNL LLEDELKQIA ENIESINQKK APLKYIGDYA VLDHLGSGAF GCVYKVRKRS GQNLLAMKEV NLHNPAFGKD KKDRDSSVKN IVSELTIIKE QLYHPNVVRY YKTFLENDRL YIVMELIEGA PLGEHFNSLK EKHHHFSEER LWKIFIQLCL ALRYLHKEKR IVHRDLTPNN IMLGDKDKVT VTDFGLAKQK QESSKLTSMV GTILYSCPEV LKSEPYGEKA DVWAAGCILY

QMATLSPPFC STNMLSLATK IVEAVYEPVP EGIYSEKVT D TIRRLCTPDA EARP DIVEVS
SMISDVMMKY LDRLSTS QLA LERKLERERR RTQRYFMEAN RNAVTCHHEL ALLSQETFEK
ASLSSSSSGA ASLKSELSSES AELPGEGCHI PCGKEEDRVC EEVLSEDNFQ LESVEKDLYS
ELDDELVDSD NCSSSSSSSPL KESTFSILKR SFSASGRERH SQARDFIAGL GSRPRPGPQM
STFVVESASA GIAVSQRKVR QICDPIQQIL IQLHKVIYIT QLPPALHHD L KRRVIERFKK
SLFSQQSNPC NLKSEIKKLS QGSPEPIELN FLTSDYHSLR HSRAANNWSP SDPTGSPSSF
EVEEGVTYEQ MQTVIEEVLE ESGYYNFTTK R

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.

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:	<p>Key Benefits:</p> <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>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	NEK10
Alternative Name:	Nek10 (NEK10 Products)
Background:	Serine/threonine-protein kinase Nek10 (EC 2.7.11.1) (Never in mitosis A-related kinase 10)

Target Details

(NimA-related protein kinase 10),FUNCTION: Plays a role in the cellular response to UV irradiation. Mediates G2/M cell cycle arrest, MEK autoactivation and ERK1/2-signaling pathway activation in response to UV irradiation. In ciliated cells, it is involved in the regulation of mucociliary transport. {ECO:0000250|UniProtKB:Q6ZWH5}.

Molecular Weight: 126.1 kDa

UniProt: [Q3UGM2](#)

Application Details

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

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