

Datasheet for ABIN7554735
NEK10 Protein (AA 1-1172) (His tag)



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Overview

Quantity:	1 mg
Target:	NEK10
Protein Characteristics:	AA 1-1172
Origin:	Human
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:	MPDQDKKVKT TEKSTDKQE ITIRDYSDLK RLRCLLNVQS SKQQLPAINF DSAQNSMTKS EPAIRAGGHR ARGQWHESTE AVELENFSIN YKNERNFSKH PQRKLFQEIF TALVKNRLIS REWVNRAPSI HFLRVLICLR LLMRDPCYQE ILHSLGGIEN LAQYMEIVAN EYLYGEGEEQH TVDKLVNMTY IFQKLAVKD QREWVTTSGA HKTLVNULLGA RDTNVLLGSL LALASLAESQ ECREKISELN IVENLLMILH EYDLLSKRLT AELLRLLCAE PQVKEQVKLY EGIPVLLSLL HSDHLKLLWS IVWILVQVCE DPETSVEIRI WGGIKQLLHI LQGDRNFVSD HSSIGSLSSA NAAGRIQLH LSEDLSPREI QENTFSLQAA CCAALTEVL NDTNAHQVVQ ENGVYTIACL ILPNKQKNAA KSNLLQCYAF RALRFLFSME RNRPLFKRLF PTDLFEIFID IGHYVRDISA YEELVSKLNL LVEDELKQIA ENIESINQNK APLKYIGNYA ILDHLGSGAF GCVYKVRKHS GQNLLAMKEV NLHNPAFGKD KKDRDSSVRN IVSELTIIKE QLYHPNIVRY YKTFLENDRL YIVMELIEGA PLGEHFSSLK EKHHHFTEER LWKIFIQLCL ALRYLHKEKR IVHRDLTPNN IMLGDKDKVT VTDFGLAKQK QENSKLTSVV GTILYSCPEV LKSEPYGEKA DVWAVGCILY

Product Details

QMATLSPPFY STNMLSLATK IVEAVYEPVP EGIYSEKVTD TISRCLTPDA EARPDIVEVS
SMISDVMMKY LDNLSTSQLS LEKKLERERR RTQRYFMEAN RNTVTCHHEL AVLSHETFEK
ASLSSSSSGA ASLKSELSES ADLPPEGFQA SYGKDEDAC DEILSDDNFN LENA EKDTYS
EVDDELDISD NSSSSSSSPL KESTFNILKR SFSASGGERQ SQTRDFTGGT GSRPRPALLP
LDLLLKVPPH MLRAHIKEIE AELVTGWQSH SLPVILRNL KDHGPMGMGF LWQASAGIAV
SQRKVRQISD PIQQILQLH KIIYITQLPP ALHHNLKRRV IERFKKSLFS QQSNPCNLKS
EIKKLSQGSP EPIEPNFFTA DYHLLHRSSG GNSLSPNDPT GLPTSIELEE GITYEQMQTV
IEEVLEESGY YNFTSNRYHS YPWGTKNHPT KR **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: 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: NEK10

Alternative Name: NEK10 ([NEK10 Products](#))

Target Details

Background: Serine/threonine-protein kinase Nek10 (EC 2.7.11.1) (Never in mitosis A-related kinase 10) (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 of airways, it is involved in the regulation of mucociliary transport (PubMed:31959991). {ECO:0000269|PubMed:20956560, ECO:0000269|PubMed:31959991}.

Molecular Weight: 133.3 kDa

UniProt: [Q6ZWH5](#)

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
