

Datasheet for ABIN7563537
TNIK Protein (AA 1-1323) (His tag)



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Overview

Quantity:	1 mg
Target:	TNIK
Protein Characteristics:	AA 1-1323
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNIK protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Tnik Protein expressed in mammalien cells.
Sequence:	MASDSPARSL DEIDLSALRD PAGIFELVEL VGNGTYGQVY KGRHVKTGQL AAIKVM DVTG DEEEEIKQEI NMLKKYSHHR NIATYYGAFI KKNPPGMDDQ LWLVMEFCGA GSVTDLIKNT KGNTLKEEWI AYICREILRG LSHLHQHKVI HRDIKGQNVL LTENAEVKLV DFGVSAQLDR TVGRRNTFIG TPYWMAPEVI ACDENPDATY DFKSDLWSLG ITAIEMAEGA PPLCDMHPMR ALFLIPRNPA PRLKSKKWSK KFQSFIESCL VKNHSQRPAT EQLMKHPFIR DQPNERQVRI QLKDHDIDRTK KKRGEKDETE YEYSGSEEEE EENDSGEPSS ILNLPGESTL RRDFLRLQLA NKERSEALRR QQLEQQQREN EEHKRQLLAE RQKRIEEQKE QRRRLEEQQR REKELRKQQE REQRRHYEEQ MRREEERRRA EHEQEYKRKQ LEEQRQAERL QRQLKQERDY LVSLQHQQRQ QRPLEKKPLY HYKEGMSPSE KPAWAKEVEE RSRLNRQSSP AMPHKVANRI SDPNLPPRSE SFSISGVQPA RTPPMLRPVD PQIPQLVAVK SQGPALTASQ SVHEQPTKGL SGFQEALNVT SHRVEMPRQN SDPTSENPLP PTRIEKFDERS SWLRQEEDIP PKVPQRTTSI SPALARKNSP

Product Details

GNGSALGPRL GSQPIRASNP DLRRTEPVLE SSLQRTSSGS SSSSSTPSSQ PSSQGGSQPG
SQAGSSERSR VRANSKSEGS PVLPHPEPSKV KPEESRDITR PSRPADLTAL AKELRELRIE
ETNRPLKKVT DYSSSSEESE SSEEEEEEDGE SETHDGTAVV SDIPRLIPTG APGNNEQYNM
GMVGTHGLET SHADTFGCSI SREGTLMIRE TAEKKRSGH SDSNGFAGHI NLPDLVQQSH
SPAGTPTEGL GRVSTHSQEM DSGAEYGIGS STKASFTPFV DPRVYQTSPT DEDEEDDESS
AAALFTSELL RQEQAKLNEA RKISVVNVNP TNIRPHSDTP EIRKYKKRFN SEILCAALWG
VNLLVGTENG LMLLDRSGQG KVVYNLINRRR FQQMDVLEGL NVLVTISGKK NKLRVYYLSW
LRNRILHNDP EVEKKQGWIT VGDLEGCIHY KVVKYERIKF LVIALKNAVE IYAWAPKPYH
KFMAFKSFAD LQHKPLLVDL TVEEQRLKV IFGSHTGFHV IDVDSGNSYD IYIPSHIQGN
ITPHAIVILP KTDGMEMLVC YEDEGVVYNT YGRITKDVWL QWGEMPTVA YIHSNQIMGW
GEKAIEIRSV ETGHLDGVFM HKRAQLKFL CERNDKVFFA SVRSGGSSQV FFMTLNRNSM MNW

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:

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:

TNIK

Target Details

Alternative Name:	Tnik (TNIK Products)
Background:	Traf2 and NCK-interacting protein kinase (EC 2.7.11.1),FUNCTION: Serine/threonine kinase that acts as an essential activator of the Wnt signaling pathway. Recruited to promoters of Wnt target genes and required to activate their expression. May act by phosphorylating TCF4/TCF7L2. Appears to act upstream of the JUN N-terminal pathway. May play a role in the response to environmental stress. Part of a signaling complex composed of NEDD4, RAP2A and TNIK which regulates neuronal dendrite extension and arborization during development. More generally, it may play a role in cytoskeletal rearrangements and regulate cell spreading (By similarity). {ECO:0000250}.
Molecular Weight:	150.4 kDa
UniProt:	P83510

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