

Datasheet for ABIN7555793

TNIK Protein (AA 1-1360) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TNIK
Protein Characteristics:	AA 1-1360
Origin:	Human
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 mammalian cells.
Sequence:	MASDSPARSL DEIDLSALRD PAGIFELVEL VGNGTYGQVY KGRHVKTGQL AAIKVMDDVTG DEEEIKQEI NMLKKYSHHR NIATYYGAFI KKNPPGMDDQ LWLVMFCGA GSVTDLIKNT KGNTLKEEWI AYICREILRG LSHLHQHKVI HRDIKGQNVL LTENAEVKLV DFGVSAQLDR TVGRRNTFIG TPYWMAPEVI ACDENPDATY DFKSDLWSLG ITAEMAEGA PPLCDMHPMR ALFLIPRNPA PRLKSKKWSK KFQSFIESCL VKNHSQRPAT EQLMKHPFIR DQPNERQVRI QLKDHDIDRTK KKRGEKDETE YEYSGSEEEE EENDSGEPSS ILNLPGESTL RRDFLRQLQA NKERSEALRR QQLEQQQREN EEHQRQLLAE RQKRIEEEQKE QRRRLEEQQR REKELRKQQE REQRRHYEEQ MRREEERRRA EHEQEYIRRQ LEEEQRQLEI LQQQLLHEQA LLLEYKRKQL EEQRQAERLQ RQLKQERDYL VSLQHQRQEY RPVEKKPLYH YKEGMSPSEK PAWAKEVEER SRLNRQSSPA MPHKVANRIS DPNLPPRSES FSISGVQPAR TPPMLRPVDP QIPHLVAVKS QGPALTASQS VHEQPTKGLS GFQEALNVTs HRVEMPRQNS DPTSENPLLP TRIKFDNRSS

WLRQEEDIPP KVPQRTTSSIS PALARKNSPG NGSALGPRLG SQPIRASNPDLRRTEPILES
PLQRTSSGSS SSSSTPSSQP SSQGGSQPGS QAGSSERTRV RANSKSEGSP VLPHEPAKVK
PEESRDITRP SRPASYKKAI DEDLTALAKE LRELRIETN RPMKKVTDYS SSSEESSE
EEEEEDGESET HDGTVAVSDI PRLIPTGAPG SNEQYNVGMV GTHGLETSASH DSFSGSISRE
GTLMIRETSG EKKRSGHSDS NGFAGHINLP DLVQQSHSPA GTPTEGLGRV STHSQEMDSG
TEYGMGSSTK ASFTPFVDPR VYQTSPTDED EEDEESSAAA LFTSELLRQE QAKLNEARKI
SVNVNPTNI RPHSDTPEIR KYKKRFNSEI LCAALWGVNL LVGTENGLML LDRSGQGKVY
NLINRRRFQQ MDVLEGLNLV VTISGKKKRL RYYYLSWLRN RILHNDPEVE KKQGWITVGD
LEGCIHYKV KYERIKFLVI ALKNAVEIYA WAPKPYHKFM AFKSFADLQH KPLLVDLTVE
EGQRLKVIFG SHTGFHVIDV DSGNSYDIYI PSHIQGNITP HAIVLPKTD GMEMLVCYED
EGVYVNTYGR ITKDVVLQWG EMPTSVAYIH SNQIMGWGEK AIEIRSVETG HLDGVFMHKK
AQRKLFLCER NDKVFFASVR SGGSSQVFFM TLNRNSMMNW **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. Phosphorylates SMAD1 on Thr-322. {ECO:0000269 PubMed:10521462, ECO:0000269 PubMed:15342639, ECO:0000269 PubMed:19061864, ECO:0000269 PubMed:19816403, ECO:0000269 PubMed:20159449, ECO:0000269 PubMed:21690388}.
Molecular Weight:	154.9 kDa
UniProt:	Q9UKE5

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