

Datasheet for ABIN7564779  
**TTI1 Protein (AA 1-1085) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	TTI1
Protein Characteristics:	AA 1-1085
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TTI1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Tti1 Protein expressed in mammalian cells.
Sequence:	MAVFDTPEEA FGVLRPVCVQ LTKTQTVENV EHLQTLQAI SDTALQELQQ YILFPLRFAL KTPGPKRERL VQSVWECLTF VLSSTCVREQ ELLQELFSEL SACLYSPSSQ KPAALSEELK LAVIQGLSTL MHSAYRDIIL TFYEPSILPR LGFAVSLLLG LAEQEKSKQI KIAALQCLQV LLLQCDCQDH PRPLDELEQQ QLGDLLASFL PGISTALTRI ITGDFKQGHS IVVSSLKVFY KTVGFIMADE QLTRIPKAQA KPVVEHRVAA LMIHREADWV KSTGDKLAIF IKKIIDCVSV HPHWKVRLEL VEFVEILLK CTQSLVESTG PLLKVLVGLV NDESPEVQAR CSTVLRRLAD QKVVVGSRAL ADILSESLHS LATSPLRLMN TQDDQGKFST LSLLGYLKL LGPKVHVILN SVAHVQRLSR ALIQVLELEV TDVKMVEERR WNSDNLASA EVSAARPWSR VQRRYFRCFT DERVFLLLRK ICQLLGGYGD LYLLVDHFME LYHTSVVYRK QAAMILNELV VGAAGLDVED IHNKCPMGP EELREIVKSI LEEYTSQENW YLITCFEAE GEEVMMKQQG FQAVTSGVHT CQVVSFPALS KPSPTICSMN SNIWQICQL EGIGQFAYAL GKDFRLLMS ALYPILEKAG DPTLLISQVA TSTMVDICHA CGYNSVQHLL NQNSDYLVNG ISLNLRLHAL HPHAPKVLEA

MLRNADASLL PLVADVVDV LATLDQFYDK RAASFVSVLH ALLAALAHWF PDSGSTGQLQ  
QRSLEEGRQ LPAAGEASTT AEDIEQFVLS YLQEKDVAEG NVSDLEAEEE VQSAPPKVDE  
NDTLPDVEPP LPTHIQIAKD VMERCIHLSA DKNLKIRLKV LDVLGLCDEV LQTHKNQLLP  
LAHRAWPSLV HRLTSDDPLA VLRAFKVLQT LGSRCGDFLR SRFCKDVLPK LTSSLITQAP  
ISARAGPVYS HTLAFKLQLA VLQGLGPLCE NLDLGEGLN KVADACVIYL STKQPVKLQE  
AARSVFLHLM RVDPDSTWLL LHELYCPVQQ FTAPHPSLHP VQLQGATQPQ NPYATNVCHL  
LLQLQ **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"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <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:	TTI1
Alternative Name:	Tti1 ( <a href="#">TTI1 Products</a> )
Background:	TELO2-interacting protein 1 homolog,FUNCTION: Regulator of the DNA damage response (DDR). Part of the TTT complex that is required to stabilize protein levels of the

## Target Details

phosphatidylinositol 3-kinase-related protein kinase (PIKK) family proteins. The TTT complex is involved in the cellular resistance to DNA damage stresses, like ionizing radiation (IR), ultraviolet (UV) and mitomycin C (MMC). Together with the TTT complex and HSP90 may participate in the proper folding of newly synthesized PIKKs. Promotes assembly, stabilizes and maintains the activity of mTORC1 and mTORC2 complexes, which regulate cell growth and survival in response to nutrient and hormonal signals (By similarity). {ECO:0000250}.

Molecular Weight: 120.8 kDa

UniProt: [Q91V83](#)

## 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