

Datasheet for ABIN7555887
TTI1 Protein (AA 1-1089) (His tag)



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Overview

Quantity:	1 mg
Target:	TTI1
Protein Characteristics:	AA 1-1089
Origin:	Human
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 EHLQTRLQAV SDSALQELQQ YILFPLRFTL KTPGPKRERL IQSVVECLTF VLSSTCVKEQ ELLQELFSEL SACLYSPSSQ KPAAVSEELK LAVIQGLSTL MHSAYGDIIL TFYEPSILPR LGFAVSLLLG LAEQEKSKQI KIAALKCLQV LLLQCDCQDH PRSLDELEQK QLGDLFASFL PGISTALTRL ITGDFKQGHs IVVSSLKIFY KTVSFIMADE QLKRISKVQA KPAVEHRVAE LMVYREADWV KKTGDKLTIL IKKIIECVSV HPHWKVRLEL VELVEDLLK CSQSLVECAG PLLKALVGLV NDESPEIAQ CNKVLRFHAD QKVVGNGKAL ADILSESLHS LATSLPRLMN SQDDQGKFST LSLLGYLKL LGPKINFVLN SVAHLQRLSK ALIQVLELDV ADIKIVEERR WNSDDLNASP KTSATQPWNR IRRYFRFFT DERIFMLLRQ VCQLGYYGN LYLLVDHFME LYHQSVYRK QAAMILNELV TGAAGLEVED LHEKHIKTNP EELREIVTSI LEEYTSQENW YLVTCLETEE MGEELMMEHP GLQAITSGEH TCQVTSFLAF SKPSPTICSM NSNIWQICIQ LEGIGQFAYA LGKDFCLLLM SALYPVLEKA GDQTLNISQV ATSTMMDVCR ACGYDSLQHL INQNSDYLVN GISLNLRLHLA LHPHTPKVLE

VMLRNSDANL LPLVADVVDQ VLATLDQFYD KRAASFVSVL HALMAALAQW FPDGTGNLGH
QEQLSGEEGS HLNQRPAALE KSTTTAEDIE QFLNLYLKEK DVADGNVSDF DNEEEEQSVP
PKVDENDTRP DVEPPLPLQI QIAMDVMERC IHLLSDKNLQ IRLKVLDVLD LCVVVLQSHK
NQLLPLAHQA WPSLVHRLTR DAPLAVLRAF KVLRTLGSKC GDFLRSRFCK DVLPKLAGSL
VTQAPISARA GPVYSHTLAF KLQLAVLQGL GPLCERLDLG EGDNLKVADA CLIYLSVKQP
VKLQEAARSV FLHLMKVDPD STWFLNELY CPVQFTPPHP SLHPVQLHGA SGQQNPYTTN
VLQLLKELQ **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:	TTI1
Alternative Name:	TTI1 (TTI1 Products)
Background:	TELO2-interacting protein 1 homolog (Protein SMG10),FUNCTION: Regulator of the DNA damage response (DDR). Part of the TTT complex that is required to stabilize protein levels of

Target Details

the 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. {ECO:0000269|PubMed:20427287, ECO:0000269|PubMed:20801936, ECO:0000269|PubMed:20810650}.

Molecular Weight: 122.1 kDa

UniProt: [O43156](#)

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