

Datasheet for ABIN3096161

## Ttc41/Gnn Protein (AA 1-1318) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	Ttc41/Gnn (Ttc41)
Protein Characteristics:	AA 1-1318
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ttc41/Gnn protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p>MSQKTNENVE RYTQLQKPQ KPIQPYICST LNDFQEERDF LANNIFPQLN ELCNSWGTYF</p> <p>KAVDLSWSAL KAPKSLPTHL FRQYSCLRSQ RLKLCLDYVN SCFPFFICML GQTYGDFLPD</p> <p>YSHFMTSKVT RLSSLSKVEN LYVAAKNGYP WVLENPSCSL TEFEIIQAAF LNESQFQYFY</p> <p>FRTGTTLLKA LDDEKKGERL PSSSSTNEEE TLRIGKLKAK IISKGLPVRF YSDLHELDEL</p> <p>VFKDWSVIE KLHPATLMIE NIDYKHSFER FYHEEFTEKC QQMCVISKES DRTFEILEKF</p> <p>ALKDVELDFN NVAADSSLDS VPRFFRINPT PTYKSILLLS REHGCCKSTL IANWVNYFKK</p> <p>KHPSMLLIPH FVGSTCESSY IMSVIHYFIT ELQYRNYGTQ LETDILNEDS DGLVFSFLVE</p> <p>VFIASISLKP CILVLDGIEE LIGIYGISGQ KVKDFSWLPH SLSPHCKFIM STVSSSLSYK</p> <p>SLCARPDVRT VELISTGDEE TKLNIFRKH L SIPMMDPFEQ STQALRKKPD LSPLKLTLA</p> <p>NELKEYRINH NEFQCMKEYL EAVSVQELWE LVLKRWIEDY SWTFQPKRAN SDTVASGEGL</p> <p>DSWVADALCL LCLSHGGGLAE DELLQLLDML GYRNHYKVTA LHWAAFRNAT KQWVQEKPNG</p>

LLYFWHQSL S AVEHKLLGVI TPVESSPCSF QTPMNHKKTH FHQVLIRYFQ RQTSFWRVYQ  
ELPWHMKMSG CLRGLCGFLS SPTITDFISK IQSLGFWTRL HLIHFWNVLL EAGYDVSEAY  
LLSVAKIKAD QCHTMRKSGT LSVLQCRLIE LTVLDKCRLM FFIGSFLKFM GKTNEAEELF  
LSVEDMLVQS QSMTDMLLKV QNAIGELYE TGMTQEGFY FQKAWSSMLR LSLSDLEDSR  
DLVKQKVRVL DNLAKSASEE YLKENHILEY ATEISNLLDN NPRDQATMKY IEGVLMFVAG  
NTSLAKMKLR ECLNIRKSLF GKKNMLVGEV MEFLADLLFF PQRDSKKSQR KQVLKYYKQV  
IKIKENAETL AKSSLLRKQL SISLSDTLCK LAGHLLASDS CHHVMIEAVG YLYRSVDLRV  
IHLGSSHSSI HGIHGILHLL REIEWIRSRR YWPQGMSQQH SEGSRNGFSL WEHLVKLNYH  
SAQSSNTVSS AMCMNADKLH RARRMDLAPQ TISDKSKCAP GKGKKKPIIC ISAEKIQRK  
TQNNAEIWNG SGKEASKKKT DYSSNILSLG KMNGLIKLSR QRILLAKSES GEGEITTIYH  
HPLPWPVSTK NPGESEFISE KWLFHSPDYI SISQKSFLQR RLHIETKLLK TSNDINKE

**Sequence without tag. The proposed Strep-Tag is based on experience s 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.**

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### Characteristics:

#### Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

#### Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system -

## Product Details

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all that's needed is the DNA that codes for the desired protein!

### Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

## Target Details

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Target:	Ttc41/Gnn (Ttc41)
Alternative Name:	TTC41P ( <a href="#">Ttc41 Products</a> )
Background:	Putative tetratricopeptide repeat protein 41 (TPR repeat protein 41) (Grp94-neighboring nucleotidase)
Molecular Weight:	151.7 kDa
UniProt:	<a href="#">Q6P2S7</a>

## Application Details

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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.
Comment:	<p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.</p> <p>During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce</p>

## Application Details

	something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol <b>Might differ depending on protein.</b>
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months