

Datasheet for ABIN3135638

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:	Mouse
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>MSDEASETGQ RYNGQPILKR QKPILPYICS TLDFQEERDF LAKSIFPRLN DICSSRGTYF</p> <p>KAVDLRWSAV KAHKSFTSNQ FRQYSCLQSQ HCLKSLDYVN RCFPFFIGLL GQTYGDFLPD</p> <p>YTPFLLSQVK DFESLSKGKK NLYIAAKNGY PWVLKTPNCS LTFEIIQAV FRKKSQFQFF</p> <p>YFRTSNSLLR TFNEEEEEEE EKLSSAYLLN EQGKMKVGKL KAKIIGKGLP VRFYRDLEEL</p> <p>GDMVWKDWSA VVEKLYPFTT IMGNIYKHS FENLYHEEFV ENCKQVFVTS KESNRTFEIL</p> <p>ERFAIKDLDL DLDTDSTIAG SGLDSILRIN SLPTCKSILL LSGERGCGKS TLIANWVSNF</p> <p>QSKHPGVLM I PYFVGSTCES CDIMSVIH YF VMELQHRANG PRLEMDFLNE DSNVLVFSLL</p> <p>VEVFIAAISL KPCILVLDGI EELIGIYGIS GQKAKDFSWL PRSLPPHCKF ILSSVSSSL S CKSLCARPDV</p> <p>KIVELNSIGD EDTKFNIFRQ HLSPADQERF GQSKPILRKK PNLSPLKLAI IASELQECKI</p> <p>YRNEFQCLRE YLEVASVQEL WELILKRWVE DYSWTLKPKD TTLDTVIPGP SGWVVDVLCL</p> <p>LCISHCGLAE DELLQLLDTM GYRDHHKVTA VHWAAFRQAT KTWIQEKPNG LLYFQHQSLR</p>

SAVEHKLLGV STPVRESNPN VAQNSVNHKK AHFHQVLMRF FQRQTIFWRV YQELPWHMKM
SGYWEGLCNF ITNPSITDFI SKIQNPSLWT RLHLVHYWDV LLEAGNDVSE AFLLSVAKIE
GEQFQKLKKR TTLSVLECSL SEITAADKGR IILFIGSFLK LMGKINEAEK LFLSAEDLLL
QSPSMTEMLL RAQNAIGELY LEIGMTPKGL TYFQKAWSNL LRFTLSDLKI SQELMKQKVK
VMNNLAESAP GEFLKENHVL EYATEISKYV TGNPRDHATM KYTEGVLMLA SGNAALAKLK
FQECLTIRRW LFGNKNILVG EIMEFLADLL FLLGENEKS QKKQAIEYYK QVIKIEKAD
TVATCKLVRK HLSISLSDTL CKLAGQLLSG DFCHHATMEA VSYLYRSLDL RAAHLGPHTA
SIEGILHLLR EIQRSGRRS WPQSMNHLFP NGSRNGFSLW ENVPKLNHFS AQSSDTVNTA
MCMNIRRFQR VKSTQPSLVS DKPKYVPGKG KKTLPILCK SAEKFQRQA SDSQIWNSPR
RQPARKKAAC PLKTVSLIDK NGLVRLSRQS VSSAELDSRK GLITSICRQP LQRPHNVDPN
WKSISELVSE KWLFTHPQYC FTPQKPGFPR RSQIESKLLK TSDDPNKE

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.

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

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

Target:	Ttc41/Gnn (Ttc41)
Alternative Name:	Ttc41 (Ttc41 Products)
Background:	Tetratricopeptide repeat protein 41 (TPR repeat protein 41) (Grp94-neighboring nucleotidase)
Molecular Weight:	150.8 kDa
UniProt:	Q692V3

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.
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 something that functions like a cell, but without the constraints of a living system - all that's</p>

Application Details

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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 Might differ depending on protein.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months