Datasheet for ABIN3131068

TMF1 Protein (AA 1-1091) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	TMF1
Protein Characteristics:	AA 1-1091
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMF1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MSWFNASQLS SFAKQALSQA QKSIDRVLDI QEEEPSAWAE AIPYGEPGIS PPVSGGWDTS TWGLNSTSSE PQSPPTASQA ITKPVRRTVV DESENFFSAF LSPSDAHTIQ KSPVVSKPPS KSQRPEEEVK SSLQESSSPG QSRVSETAEV RDSVCVSGET SAVGTPSPVP EDKHEETAGE ESEVKVPTVR LKASENVVNV NTTEDVSTTS TQSLTAETKD MALEPKEQKH EDRQSNTPSP PVSSFSSGTS TTSDIEVLDH ESVISESSAS SRQETSDAKS SLHLMQTSFQ LLSASACPEY SRLDDFQKLN ESCCSSDAFE RIDSFSVQSL DSRSVSEINS DDELPGKGYA LVPIIVSPST PKTKVVESTE ENAEEEEGNE TLVAPSEEAE LEESGRSATP VNCDQPDILA SPTAGSGGHS ASGPATEQCE AVENQPKAPP EKEDVCKTVE FLNEKLEKRE TQLLSLSKEK ALLEEAYDNL KDEMFRVKEE SSSISSLKDE FTQRIAEAEK KVQLACKERD AAKKEMKTIK EELATRLNSS QTADLLKEKD EQIQGLMEEG EKLSKQQLHN SNIIKKLRAK DKDNENVIAK LNRKAKELEE ELQHLRQVLD GKEEVEKQHR ENIKKLNSVV ERQEKDLGRL QVDMDELEEK SRSTQAALDS

AYRELTDLHK ANAAKDSEVQ EAALRREMKA KEELSGALEK AQEEARQQQE ALVLQVGDLR LALQRAEQAA ARKEDYLRHE ISELQQRLQE AENRNQELSQ SVSSTARPLL RQIENLQATL GSQTSSWETL EKSLSDRLGE SQTLLAAAVE RERAATEELL ANKIQMSSVE SQNTLLRQEN SRLQAQLESE KNKLRKLEDE NSRYQVELEN LKDEYVRTLE ESRKEKTLLS SQLEMERMKV EQERKKTIFT QEALKEKDHK LFSVCSTPTM SRSSSISGVD AAGLQASFLS QDESHDHSFG PMSTSASGSN LYEAVRMGAG SSIIENLQSQ LKLREGEISH LQLEISNLEK TRSIMSEELV KLTNQNDELE EKVKEIPKLR VQLRDLDQRY NTILQMYGEK AEEAEELRLD LEDVKNMYKT QIDELLRQRL S

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

Concentration:

Product Details

- 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:	TMF1
Alternative Name:	Tmf1 (TMF1 Products)
Background:	TATA element modulatory factor (TMF) (Androgen receptor coactivator 160 kDa protein) (Androgen receptor-associated protein of 160 kDa),FUNCTION: Potential coactivator of the androgen receptor. May play critical roles in two RAB6-dependent retrograde transport processes: one from endosomes to the Golgi and the other from the Golgi to the ER (By similarity). Mediates STAT3 degradation. {ECO:0000250, ECO:0000269|PubMed:15467733}.
Molecular Weight:	121.8 kDa
UniProt:	B9EKI3
Pathways:	Hormone Transport

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:	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

Application Details

	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 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 **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