

Datasheet for ABIN3093761

ATF7IP2 Protein (AA 1-682) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	ATF7IP2
Protein Characteristics:	AA 1-682
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATF7IP2 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p> MASPDRSKRK ILKAKKT MPL SCRKQVEMLN KSRNVEALKT AIGSNVPSGN QSFSPSVITR TTEITKCSPS ENGASSLDSN KNSISEKSKV FSQNCIKPVE EIVHSETKLE QVVC SYQKPS RTTESPSRVF TEEAKDSLNT SENDSEHQTN VTRSLFEHEG ACSLKSSCCP PSVLSGVVQM PESTVTSTVG DKKTDQMVFH LETNSNESH DKRQSDNILC SEDSGFVPVE KTPNLVNSVT SNNCADDILK TDECSRTSIS NCESADSTWQ SSLDTNNNSH YQKKRMFSEN EENVKRMKTS EQINENICVS LERQTAFLEQ VRHLIQEIY SINYELFDKK LKELNQRIK TECRNKHEGI ADKLLAKIAK LQRRIKTVLL FQRNCLKPNM LSSNGASKVA NSEAMILDKN LESVNSPIEK SSVNYEPSNP SEKGSKKINL SSDQNKSVSE SNDDVMLIS VESPNLTTP I TSNPTDTRKI TSGNSSNSPN AEVMAVQKKL DSIIDL TKEG LSNCNTESPV SPLESHSKAA SNSKETTPLA QNAVQVPESF EHLPLPEPP APLPELVDKT RDTLPPQKPE LKVKRVFRPN GIALTWNITK INPKCAPVES YHLFLCHENS NNKLIWKKIG EIKALPLPMA CTLSQFLASN RYYFTVQSKD </p>

IFGRYGPFC D IKSIPGFSEN LT

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:

- 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®).

Product Details

Purity: > 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

Grade: custom-made

Target Details

Target: ATF7IP2

Alternative Name: ATF7IP2 ([ATF7IP2 Products](#))

Background: Activating transcription factor 7-interacting protein 2 (ATF7-interacting protein 2) (MBD1-containing chromatin-associated factor 2),FUNCTION: Recruiter that couples transcriptional factors to general transcription apparatus and thereby modulates transcription regulation and chromatin formation. Can both act as an activator or a repressor depending on the context. Mediates MBD1-dependent transcriptional repression, probably by recruiting complexes containing SETDB1. The complex formed with MBD1 and SETDB1 represses transcription and probably couples DNA methylation and histone H3 'Lys-9' trimethylation (H3K9me3) activity (Probable). {ECO:0000305}.

Molecular Weight: 75.8 kDa

UniProt: [Q5U623](#)

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.

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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