

Datasheet for ABIN3084147

## MYBL1 Protein (AA 1-752) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	MYBL1
Protein Characteristics:	AA 1-752
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYBL1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p>MAKRSRSEDE DDDLQYADHD YEVPQQKGLK KLWNRVKWTR DEDDKLKKLV EQHGTDDWTL</p> <p>IASHLQNRSD FQCQHRWQKV LNPelikGPW TKEEDQRVIE LVQKYGPKRW SLIAKHLKGR</p> <p>IGKQCRERWH NHLNPEVKKS SWTEEDRII YEAHKRLGNR WAEIAKLLPG RTDNSIKNHW</p> <p>NSTMRRKVEQ EGYLQDGIKS ERSSSKLQHK PCAAMDHMQT QNQFYIPVQI PGYQYVSPEG</p> <p>NCIEHVQPTS AFIQQPFIDE DPDKEKKIKE LEMLLMSAEN EVRRKRIPSQ PGSFSSWSGS</p> <p>FLMDDNMSNT LNSLDEHTSE FYSMDENQPV SAQQNSPTKF LAVEANAVLS SLQTIPEFAE</p> <p>TLELIESDPV AWSDVTSFDI SDAAASPIKS TPKVLMRIQH NEGAMECQFN VSLVLEGKKN</p> <p>TCNGGNSEAV PLTSPNIAKF STPPAILRKK RKMVRVGHSPG SELRDGSLND GGNMALKHTP</p> <p>LKTLPFSPSQ FFNTCPGNEQ LNENPSFTS TPICGQKALI TTPLHKETTP KDQKENVGFR</p> <p>TPTIRRSILG TTPRTPTPFK NALAAQEKKY GPLKIVSQPL AFLEEDIREV LKEETGTDLF</p> <p>LKEEDEPAYK SCKQENTASG KVKRKS LVLD NWEKEESGTQ LLTEDISDMQ SENRFTTSL</p>

MIPLLEIHDN RCNLIPEKQD INSTNKTYTL TKKKPNPNTS KVVKLEKNLQ SNCEWETVVY  
GKTEDQLIMT EQARRYLSTY TATSSTSRAL IL

**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 - 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®).

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## Product Details

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

Grade: custom-made

## Target Details

Target: MYBL1

Alternative Name: MYBL1 ([MYBL1 Products](#))

Background: Myb-related protein A (A-Myb) (Myb-like protein 1),FUNCTION: Transcription factor that specifically recognizes the sequence 5'-YAAC[GT]G-3' (PubMed:8058310, PubMed:7987850). Acts as a master regulator of male meiosis by promoting expression of piRNAs: activates expression of both piRNA precursor RNAs and expression of protein-coding genes involved in piRNA metabolism (By similarity). The piRNA metabolic process mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposons, which is essential for the germline integrity (By similarity). Transcriptional activator of SOX30 (By similarity). {ECO:0000250|UniProtKB:P51960, ECO:0000269|PubMed:7987850, ECO:0000269|PubMed:8058310}.

Molecular Weight: 85.9 kDa

UniProt: [P10243](#)

Pathways: [Cell Division Cycle, Chromatin Binding](#)

## 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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## Application Details

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Restrictions: For Research Use only

## Handling

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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