

Datasheet for ABIN3093658

## MAML2 Protein (AA 1-1156) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	MAML2
Protein Characteristics:	AA 1-1156
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAML2 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AlIcE®
Sequence:	<p>MGDTAPPQAP AGGLGGASGA GLLGGGSVTP RVHSAIVERL RARIAVCRQH HLSCEGRYER</p> <p>GRAESSDRER ESTLQLLSLV QHGQGARKAG KHTKATATAA TTTAPPPPPA APPAASQAAA</p> <p>TAAPPPPPDY HHHHQHLLN SSNNGGSGGI NGEQPPAST PGDQRNSALI ALQGS�KRKQ</p> <p>VVNLSPANSK RPNGFVDNSF LDIKRIRVGE NLSAGQGGLQ INNGQSQIMS GTLPMSQAPL</p> <p>RKTNTLPSHT HSPGNGLFNM GLKEVKKEPG ETLSCSKHMD GQMTQENIFP NRYGDDPGEQ</p> <p>LMDPELQELF NELTNISVPP MSDLELENMI NATIKQDDPF NIDLGQQSQR STPRPSLPME</p> <p>KIVIKSEYSP GLTQGPGSGP QLRPPSAGPA FSMANSALST SSIPSV PQS QAQPQTGSGA</p> <p>SRALPSWQEV SHAQQLKQIA ANRQQHARMQ QHQQQHQPTN WSALPSSAGP SPGPFGQEKI</p> <p>PSPSFGQQTf SPQSSPMPGV AGGSGQSKVM ANYMYKAGPS AQGGHLDVLM QQKPQDLSRS</p> <p>FINNPHPAME PRQGNTKPLF HFNSDQANQQ MPSVLPSQNK PSLLHYTQQQ QQQQQQQQQQ</p> <p>QQQQQQQQQQ QQQQQQQQQQ QSSISAQQQ QQQSSISAQQ QQQQQQQQQQ QQQQQQQQQQ</p>

QQQQQPSSQP AQLPSQPLL RSPLPLQKQL LLQQMQNQPI AGMGYQVSQQ QRQDQHSVVG  
QNTGSPSPN PCSNPNTGSG YMNSQQSLN QQLMGKKQTL QRQIMEQKQQ LLLQQQMLAD  
AEKIAPQDQI NRHLSRPPPD YKDQRRNVGN MQPTAQYSGG SSTISLNSNQ ALANPVSTHT  
ILTPNSSLLS TSHGTRMPSL STAVQNMGM Y GNLPCNQPNT YSVTSGMNQL TQQRNPKQLL  
ANQNNPMMPR PPTLGPSNNN NVATFGAGSV GNSQQLRPNL THSMASMP PQ RTSNVMITSN  
TTAPNWASQE GTSKQQEALT SAGVRFPTGT PAAYTPNQSL QQAVGSQQFS QRAVAPPNQL  
TPAVQMRPMN QMSQTLNGQT MGPLRGLNLR PNQLSTQILP NLNQSGTGLN QSRTGINQPP  
SLTPSNFPSP NQSSRAFQGT DHSSDLAFDF LSQQNDNMGP ALNSDADFID SLLKTEPGND  
DWMKDINLDE ILGNNS

**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!

## Product Details

### 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:** MAML2

**Alternative Name:** MAML2 ([MAML2 Products](#))

**Background:** Mastermind-like protein 2 (Mam-2),FUNCTION: Acts as a transcriptional coactivator for NOTCH proteins. Has been shown to amplify NOTCH-induced transcription of HES1. Potentiates activation by NOTCH3 and NOTCH4 more efficiently than MAML1 or MAML3.  
{ECO:0000269|PubMed:12370315, ECO:0000269|PubMed:12386158, ECO:0000269|PubMed:12539049}.

**Molecular Weight:** 125.2 kDa

**UniProt:** [Q8IZL2](#)

## 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.

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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 <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