

Datasheet for ABIN7564149

## MAML1 Protein (AA 1-1020) (His tag)



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### Overview

Quantity:	1 mg
Target:	MAML1
Protein Characteristics:	AA 1-1020
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAML1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Maml1 Protein expressed in mammalian cells.
Sequence:	<p>MVLPTCPMAE FALPRHSVM ERLRRRIELC RRHHSTCEAR YEAVSPERLE LERQHTFALH</p> <p>QRCIQAKAKR AGKHRQPPAA ATAPVAAPAP ASAPAAARLD AADGPEHGRP VAHLHDTVKR</p> <p>SLDSAASPQN GDQPNGYDDL FPGHKKTRE APLGVSVSAN GLPPASPLGQ PDKPSGGDTL</p> <p>QTAGKHSGL DPINKKCLAD SGIHLNGGSN SSEPFPLSLS KELKQEPVDD LPCMIAGAGG</p> <p>SVAQSNLMPD LNLNEQEWKE LIEELNRSVP DEDMKDLFTE DFEEKKDPEP PGSATQTPLA</p> <p>QDINIKTEFS PAAFEQELG SPQVRAGSAG QTFLGASSAP VGTDSPSLGS SQTLFHTTSQ</p> <p>PGVDNSSPNL MPASAQAQA QRALTSVVLV SQGPGGASEL SSAHQLQQA AKQKREQMLQ</p> <p>NPQQAAPAG PGQLATWQQA GPSHSPLDVP YPMEKPASPS GYKQDFTNSK LLMMPGVNKS</p> <p>SPRPGGPYLQ PSHSNLLSHQ SPSNLNQNPNV NNQGSVLDYG NTKPLSHYKA DCGQGPGSG</p> <p>QNKPALMAYL PQQLPHLSNE QNSLFLMKPK SGNMPFRSLV PPGQEQNPSS VPVAAPAASV</p> <p>GTQPTVSVAS THNSSPYLSS QQQAAMKQH QLLLDQKQR EQQQQLQQQ QFLQRQHLLA</p>

EQEKQQFQRH LTRPPPQYQD PTQSTFPQQV GQFTGPSAAV PGMNNLGPSN SSCPRVFPQP  
GTLMSMGPGH APVSSLPSSS GQQDRGVAQF TGSQSLPQNS LYGMASGLAQ IVAQPPPQAT  
STHAHIPRQT NVGQNASTSA AYGQNSLGSA SLSQQHSGKT LPPGLTKPQV PRVSAAMGSQ  
NASWQHQGMP NLSSQTSQNS SVNPFTAAPS FHIQQAHLKL AGQQFSQAMP SRPMAPLSSA  
GAAGPMLPPV SAQQRNSAPA SAPPQAAPQQ GLPGLSPSGP ELGAFGQSPT SQMSGRPGLH  
CAQAYPVRTM GQELPFAYSG QPGSSGLSSV AGHTDLIDSL LKNRTSEEWI NELDDLGSQ

**Sequence without tag. The proposed Purification-Tag is based on experiences 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 to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

MAML1

Alternative Name:

Maml1 ([MAML1 Products](#))

Background:

Mastermind-like protein 1 (Mam-1),FUNCTION: Acts as a transcriptional coactivator for NOTCH proteins. Has been shown to amplify NOTCH-induced transcription of HES1. Enhances phosphorylation and proteolytic turnover of the NOTCH intracellular domain in the nucleus through interaction with CDK8. Binds to CREBBP/CBP which promotes nucleosome acetylation

## Target Details

	at NOTCH enhancers and activates transcription. Induces phosphorylation and localization of CREBBP to nuclear foci. Plays a role in hematopoietic development by regulating NOTCH-mediated lymphoid cell fate decisions. {ECO:0000269 PubMed:15019995, ECO:0000269 PubMed:15187027}.
Molecular Weight:	107.7 kDa
UniProt:	<a href="#">Q6T264</a>
Pathways:	<a href="#">Notch Signaling</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Skeletal Muscle Fiber Development</a>

## 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.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months