

Datasheet for ABIN3092310

EML3 Protein (AA 1-896) (Strep Tag)



[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	EML3
Protein Characteristics:	AA 1-896
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EML3 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p>MDGAAGPGDG PAREALQSLS QRLRVQEQEM ELVKAALAEA LRLRLQVPP SSLQGSGTPA</p> <p>PPGDSLAAPP GLPPTCTPSL VSRGTQTETE VELKSSPGPP GLSNGPPAPQ GASEEPSGTQ</p> <p>SEGGGSSSSG AGSPGPPGIL RPLQPPQRAD TPRRNSSSSS SPSEPRQKL SRKAISSANL</p> <p>LVRSGSTESR GSKDPLSSPG GPGSRRSNYN LEGISVKMFL RGRPITMYIP SGIRSLEELP</p> <p>SGPPPETLSL DWVYGYRGRD SRSNLFVLRS GEVYFIACV VLYRPGGGP GPGGGGGQRH</p> <p>YRGHTDCVRC LAVHPDGVRV ASGQTAGVDK DGKPLQPVVH IWDSETLLKL QEIGLGA FER</p> <p>GVGALAFSAA DQGAFLCVVD DSNEHMLSVW DCSRGMKLA EIKSTNDSVLA VGFNPRDSSC</p> <p>IVTSGKSHVH FWNWSGGVGV PGNGTLTRKQ GVFGKYKKPK FIPCFVFLPD GDILTDGSEG</p> <p>NILTWGRSPS DSKTPGRGGA KETYGIVAQA HAHEGSIFAL CLRRDGTVLS GGGRDRRLVQ</p> <p>WGPGGLVALQE AEIPEHFGAV RAIAEGLGSE LLVGTTKNAL LRGDLAQGFS PVIQGHDEL</p> <p>WGLCTHPSQN RFLTCGHDRQ LCLWDGESHA LAWSIDLKET GLCADFHPSG AVVAVGLNTG</p>

RWLVLDTETR EIVSDVIDGN EQLSVVRYSP DGLYLAIGSH DNVIYISVS SDGAKSSRFG
RCMGHSSFIT HLDWSKDGNF IMSNSGDYEI LYWDVAGGCK QLKNNRYESRD REWATYTCVL
GFHVYGVWPD GSDGTDINSL CRSHNERVVA VADDFCKVHL FQYPCARAKA PSRMYGGHGS
HVTSVRFTHD DSHLVSLGGK DASIFQWRVL GAGGAGPAPA TPSRTPSLSP ASSLDV

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.

Product Details

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:	EML3
---------	------

Alternative Name:	EML3 (EML3 Products)
-------------------	--

Background:	Echinoderm microtubule-associated protein-like 3 (EMAP-3),FUNCTION: Regulates mitotic spindle assembly, microtubule (MT)-kinetochore attachment and chromosome separation via recruitment of HAUS augmin-like complex and TUBG1 to the existing MTs and promoting MT-based MT nucleation (PubMed:30723163). Required for proper alignment of chromosomes during metaphase (PubMed:18445686). {ECO:0000269 PubMed:18445686, ECO:0000269 PubMed:30723163}.
-------------	--

Molecular Weight:	95.2 kDa
-------------------	----------

UniProt:	Q32P44
----------	------------------------

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:	<p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> 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.</p> <p>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!</p>
----------	--

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