

Datasheet for ABIN3095227  
**SAMD9L Protein (AA 1-1584) (Strep Tag)**



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1 Image

Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | SAMD9L  |
| Protein Characteristics:      | AA 1-1584                                       |
| Origin:                       | Human   |
| Source:                       | Tobacco ( <i>Nicotiana tabacum</i> )            |
| Protein Type:                 | Recombinant                                     |
| Purification tag / Conjugate: | This SAMD9L protein is labelled with Strep Tag. |
| Application:                  | ELISA, SDS-PAGE (SDS), Western Blotting (WB)    |

Product Details

Sequence: MSKQVSLPEM IKDWTKEHVK KWNEDLKIN EQYGQILLSE EVTGLVLQEL TEKDLVEMGL  
PWGPALLIKR SYNKLNSKSP ESDNHDPGQL DNSKPSKTEH QKNPKHTKKE EENSMSSNID  
YDPREIRDIK QEESILMKEN VLDEVANAKH KKKGKLPKPEQ LTCMPYPFDQ FHDSHRYIEH  
YTLQPETGAL NLIDPIHEFK ALTNTETATE VDIKMKFSNE VFRFASACMN SRTNGTIHFG  
VKDKPHGEIV GVKITSKAAF IDHFNVMIKK YFESEINEA KKCIREPRFV EVLLQNNTPS  
DRFVIEVDTI PKHSICNDKY FYIQMQICKD KIWKQNQNLS LRVREGASSR DILANSKQRD  
VDFKAFLQNL KSLVASRKEA EEEYGMKAMK KESEGLKLVK LLIGNRDSL D NSYYDWYILV  
TNKCHPNQIK HLDLFLKEIKW FAVLEFDPES MINGVVKAYK ESRVANLHFP NQYEDKTTNM  
WEKISTLNLY QQPWFIFCNG RSDLKSETYK PLEPHLWQRE RASEVRKLIL FLTDENIMTR  
GKFLVVFLLL SSVESPGDPL IETFWAFYQA LKGMENMLCI SVNSHIYQRW KDLLQTRMKM  
EDELTNHSIS TLNIELVNST ILKLSVTRS SRRFLPARGS SSVILEKKKE DVLTALEILC ENECTETDIE  
KDKSKFLEFK KSKEEHFYRG GKVSWWNFYF SSENYSDFV KRDSYEKLDK LIHCWAESPK

PIFAKIINLY HHPGCGGTTL AMHVLWDLKK NFRCAVLKNK TDFAEIAEQ VINLVTYRAK  
SHQDYIPVLL LVDDFEEQEN VYFLQNAIHS VLAEKDLRYE KTLVIILNCM RSRNPDESAK  
LADSIALNYQ LSSKEQRAFG AKLKEIEKQH KNCENFYFSM IMKSNFDETY IENVVRNILK  
GQDVDSKEAQ LISFLALLSS YVTDSTISVS QCEIFLGIY TSTPWEPESE EDKMGTYSTL  
LIKTEVAEYG RYTGVRRIHP LIALYCLKEL ERSYHLDKCQ IALNILEENL FYDSGIGRDK  
FQHDVQTLLE TRQRKVYGD ETDTLFSPLE ALQNKDIEKV LSAGSRRFPQ NAFICQALAR  
HFYIKEKDFN TALDWARQAK MKAPKNSYIS DTLGQVYKSE IKWWLDGNKN CRSITVNDLT  
HLLAAEKAS RAFKESQRQT DSKNYETENW SPQKSQRRYD MYNTACFLGE IEVGLYTIQI  
LQLTPFFHKE NLSKHKHMVQ FLSGKWTIPP DPRNECYLAL SKFTSHLKNL QSDLKRCFDF  
FIDYMVLLKM RYTQKEIAEI MLSKKVSRFC RKYTELFCHL DPCLLQSKES QLLQEENCRK  
KLEALRADRF AGLLEYLNPN YKDATTMESI VNEYAFLQ NSKKPMTNEK QNSILANIIL  
SCLKPNSKLI QPLTTLKKQL REVLFVGLS HQYGPYFLA CLLFWPENQE LDQDSKLIK  
YVSSLNRSFR GQYKRMCRSK QASTLFYLGK RKGLNSIVHK AKIEQYFDKA QNTNSLWHS  
DVWKKNEVKD LLRRLTGQAE GKLISVEYGT EEKIKIPVIS VYSGPLRSR NIERSVFLG  
FSIEGPLAYD IEVI

**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 by multi-step, protein-specific process to ensure correct folding and modification.
- 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 will ensure that you receive a correctly folded 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-

## Product Details

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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 in several dilutions and is measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

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|                  |   |
|------------------|---|
| Purification:    | Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®):<br><ol style="list-style-type: none"><li>1. In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. Eluate fractions are analyzed by SDS-PAGE.</li><li>2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.</li></ol> |
| Purity:          | >80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.  |
| Endotoxin Level: | Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)   |
| Grade:           | Crystallography grade   |

## Target Details

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|                   |  |
|-------------------|--|
| Target:           | SAMD9L   |
| Alternative Name: | SAMD9L ( <a href="#">SAMD9L Products</a> )   |
| Background:       | Sterile alpha motif domain-containing protein 9-like (SAM domain-containing protein 9-like),FUNCTION: May be involved in endosome fusion. Mediates down-regulation of growth factor signaling via internalization of growth factor receptors.<br>{ECO:0000250 UniProtKB:Q69Z37}. |
| Molecular Weight: | 184.5 kDa  |
| UniProt:          | <a href="#">Q8IVG5</a>   |

## Application Details

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**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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**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.

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!

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**Restrictions:** For Research Use only

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## Handling

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**Format:** Liquid

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**Buffer:** The buffer composition is at the discretion of the manufacturer. If you have a special request, please contact us.

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**Handling Advice:** Avoid repeated freeze-thaw cycles.

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**Storage:** -80 °C

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**Storage Comment:** Store at -80°C.

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**Expiry Date:** Unlimited (if stored properly)

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**Image 1.** „Crystallography Grade“ protein due to multi-step, protein-specific purification process