

[Go to Product page](#)

Datasheet for ABIN3135710

**FAM135A Protein (AA 1-1506) (Strep Tag)**

## Overview

Quantity:	1 mg
Target:	FAM135A
Protein Characteristics:	AA 1-1506
Origin:	Mouse
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FAM135A protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Sequence:	MTEVQAMVEF SVELNKFYNV DLFQRGFYQI RASMKIPARI PHRVEASLLH ATGMTLAFPA SVHDALVCSK TFQILYKNEE VVLNDVMIFK VKMLLDERKI EETLEEISFL LSLGLHFTDG DYSADDLNAL QLISSRTLKL HYSICRGLHH HANVMFDYFH LSVVSVTVHA SLVALHQLI SFPRPVKTTW LNRNAPAQSK DSAIPTLESV VFGINYTKQL SPDGCSFLIA ESFLHHAYHF HYTLCATLLL AFKGLHSYFI TVTEEIPSCQ KLDLEEMDVE ARLTELCEEV KKVENPDELA ELINMNLAQL CSLLMALWGQ FLEAITLHED LRVLLAQEHH TLRVRRFSEA FFCFEHPREA AIAYQELHAQ SHLQMCTAIK NTSFCSSLPP LPIECSELDG DLNSLPPIFE DRYLDSVIED LDAPWMGIQS LQISEASKTD KHETEESV V GLSSPELKVR PAVASSNCYT EGEKQLTKSL KGKNEESNKS KVKVTKLMKT MKPENTKKLI KQNSKDSVVL VSYKCLKTTA SSDFTKCLEG SPSHSQKEGL DPTLCAGNFD PKTYTRQPSQ KEASSLSANT DRSEHKSPDT ENMQPDQFEL LNSGSLNLCA NLSISGKLAI SQDNSDIPDT EHNLASTSSS NDCHDYQTPP SSGVRTLEVK SSSKESFNGE KITVKIGPWT ELQEAELFVD NLLPDFEALD SNDKPKSIDI PLERDALQET
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KCHSTEESLT KFRSNLPAPS TKEYHVAVSS DTIKLPDTNA TYASSRFSDS GVESEPSSFA  
THPNPEIAFE TLQGPGPCNN ERLFPQLLMK PDHNVKFSLG SHCTESTSAL SEIQSSLTSI  
NSLPSDDELS PDDNCKKSAV PDCHLSDSKT VFNLTMDLP KCDDTKKSSI ILQQQSVVFS  
GHLNDTLAM HSLDLSTEDP LRLVFLDEDA SSGVRSSWGS KPHLDAPFTG PQSQGTSSNN  
STESVPTLNS KLICLGSPCV VSGSVCTDAG LSADRTVEGK SGEPLNHKQV CSAAPVVESD  
PLSSSTDVVK QGLVENYFGS QSTTDVSDAC AITCHSPVSS QETCDKGISD LQQEQGKEEE  
EEDQEMVQNG YHEETDFSAT DGTVSVHYIS GNELGEGRHE QSEKLSSNYL SAGVTVPAVC  
TSGCLSFPSA LRESPCVKYS SRSKVDAITK QPSSISYNFS SSTSWYENSP KPQIHAFLQA  
KEELKQLRLP GFMYSDVPLL ASSAPYFSMD EEDGSEDGVH LIVCVHGLDG NSADLRLVKT  
YIELGLPGGR VDFLMERNQ NDTFADFDCM TDRLLDEIIQ YIQIYSLTVS KISFIGHSLG  
NLIIRSVLTR PRFKYYLSKL HTFLSLSGPH LGTLYNSSAL VNTGLWFMQK WKKSGSLLQL  
TCRDHSDPRQ TFLYKLSNKA GLHYFKNVVL VGSLQDRYVP YHSARIEMCK TALKDKQSGQ  
IYSEMIHNLL RPVLQSKGCN LVRYNVINAL PNTADSLIGR AAHIAVLDS IFLEKFFLVA ALKYFQ

**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 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-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for

## Product Details

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.

Purification:	Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®):  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. 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.
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

Target:	FAM135A
Alternative Name:	Fam135a ( <a href="#">FAM135A Products</a> )
Background:	Protein FAM135A
Molecular Weight:	166.9 kDa
UniProt:	<a href="#">Q6NS59</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
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## Application Details

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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.

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!

Restrictions:

For Research Use only

## Handling

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Format:

Liquid

Buffer:

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

Handling Advice:

Avoid repeated freeze-thaw cycles.

Storage:

-80 °C

Storage Comment:

Store at -80°C.

Expiry Date:

Unlimited (if stored properly)