

Datasheet for ABIN3136211

## EEA1 Protein (AA 1-1411) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	EEA1
Protein Characteristics:	AA 1-1411
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EEA1 protein is labelled with Strep Tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA

### Product Details

Brand:	AliCE®
Sequence:	<p>MFRRILQRTP GRVGSQGSDL DSSATPINTV DVNNESSEGE FICPQCMKSL GSADELFKHY</p> <p>QAVHDAGNDS GHGGEAGLAL TRDDITLLRQ EVQDLQASLK EEKWWYSEELK KELEKYQGLQ</p> <p>QQEAKSDGLV TDSSAELQAL EQQLEEAQTE NFNKQMKDL FEQKAAQLAT EIADIKSKYD</p> <p>EEKSLRAAAE QKVTHLTEDL NKQTTVIQDL KTELLQRPGI EDVAVLKKEL VQVQTLMDNM</p> <p>TLRERERESEK LKDECKKLQS EHAHLEATIN QLRSELAKGP QEVAVYVQEI QKLKGSINEL</p> <p>TQKNQNLTEK LQKKDLDYTH LEEKHNEESA SRKTLQASLH QRDLDCCQLQ ARLTASESSL</p> <p>QRAQGELSEK AEAQKLREE LREVESTQRH LKVEVKQLQQ QREEKEQHGL QLQGEVSQLH</p> <p>CKLLETERQL GEAHGRLKEQ RQLSSEKLME KEQQVADLQL KLSRLEEQLK EKVNTSTELQ</p> <p>HQLEKSKQQH QEQQALQQA TAKLREAQND LEQVLRQIGD KDQKIQNLEA LLQKGKESVS</p> <p>LLEKEREDLY AKIQAGEGET AVLNQLQEQN HALQQQLTQL TEKLKNQSES HKQAEENLHD</p> <p>QVQEQAHLR AAQDRVLSLE TSVSELSSQL NESKEKVSQD DIQIAKTEL LLSAEAAKAA</p>

QRADLQNHLD TAQHALQDKQ QELNKVSVQL DQLTAKFQEK QEHCQIQLESH LKDHKEKHLS  
LEQKVEDLEG HIKKLEADAL EVKASKEQAL QSLQQQRQLS TDLELRNAEL SRELQEQUEV  
VSCTKLDLQN KSEILENIKQ TLTKKEENV VLKQEFELKS QDSKTQHKEL GDRMQAAVTE  
LTAVKAQKDA LLAELSTTKE KLSKVSDSLK NSKSEFEKEN QKGKAAVLDL EKACKELKHQ  
LQVQAESALK EQEDLKKSLE KEKETSQQLK IELNSVKGEV SQAQNTLKQK EKDEQQLQGT  
INQLKQSAEQ KKKQIEALQG EVKNAVSQKT VLENKLQQS SQAQELAAE KGKLSALQSN  
YEKCQADLKQ LQSDLYGKES ELLATRQDLK SVEEKLTLAQ EDLISNRNQI GNQNKSIQEL  
QAAKASLEQD SAKKEALLKE QSKALEDAQR EKSVEKELV AEKSKLAEME EIKCRQEKEI  
TKLNEELKSH KQESIKEITN LKDAKQLLIQ QKLELQGRVD SLKAALEQEK ESQQLMREQV  
KKEEEKRKEE FSEKEAKLHS EIKEKEAGMK KHEENEAKLT MQVTTLNENL GTVKKEWQSS  
QRRVSELEKQ TDDLGRGEIAV LEATVQNNQD ERRALLERCL KGEGEIEKLQ TKALELQRKL  
DNTTAAVQEL GRENQSLQIK HTQALNRKWA EDNEVQNCMS CGKCFSVTVR RHHCRCQGN  
FCAECSTKNA LTPSSKKPVR VCDACFNDLQ G

**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

## Product Details

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.

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:	EEA1
Alternative Name:	Eea1 ( <a href="#">EEA1 Products</a> )
Background:	Early endosome antigen 1,FUNCTION: Binds phospholipid vesicles containing phosphatidylinositol 3-phosphate and participates in endosomal trafficking. {ECO:0000250}.
Molecular Weight:	160.9 kDa
UniProt:	<a href="#">Q8BL66</a>
Pathways:	<a href="#">Toll-Like Receptors Cascades</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.
Comment:	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.

## Application Details

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

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