Datasheet for ABIN3092625

FRMD4A Protein (AA 1-1039) (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	FRMD4A
Protein Characteristics:	AA 1-1039
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FRMD4A protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MAVQLVPDSA LGLLMMTEGR RCQVHLLDDR KLELLVQPKL LAKELLDLVA SHFNLKEKEY FGIAFTDETG HLNWLQLDRR VLEHDFPKKS GPVVLYFCVR FYIESISYLK DNATIELFFL NAKSCIYKEL IDVDSEVVFE LASYILQEAK GDFSSNEVVR SDLKKLPALP TQALKEHPSL AYCEDRVIEH YKKLNGQTRG QAIVNYMSIV ESLPTYGVHY YAVKDKQGIP WWLGLSYKGI FQYDYHDKVK PRKIFQWRQL ENLYFREKKF SVEVHDPRRA SVTRRTFGHS GIAVHTWYAC PALIKSIWAM AISQHQFYLD RKQSKSKIHA ARSLSEIAID LTETGTLKTS KLANMGSKGK IISGSSGSLL SSGSQESDSS QSAKKDMLAA LKSRQEALEE TLRQRLEELK KLCLREAELT GKLPVEYPLD PGEEPPIVRR RIGTAFKLDE QKILPKGEEA ELERLEREFA IQSQITEAAR RLASDPNVSK KLKKQRKTSY LNALKKLQEI ENAINENRIK SGKKPTQRAS LIIDDGNIAS EDSSLSDALV LEDEDSQVTS TISPLHSPHK GLPPRPPSHN RPPPPQSLEG LRQMHYHRND YDKSPIKPKM WSESSLDEPY EKVKKRSSHS HSSSHKRFPS TGSCAEAGGG SNSLQNSPIR

GLPHWNSQSS MPSTPDLRVR SPHYVHSTRS VDISPTRLHS LALHFRHRSS SLESQGKLLG SENDTGSPDF YTPRTRSSNG SDPMDDCSSC TSHSSSEHYY PAQMNANYST LAEDSPSKAR QRQRQRQRAA GALGSASSGS MPNLAARGGA GGAGGAGGGV YLHSQSQPSS QYRIKEYPLY IEGGATPVVV RSLESDQEGH YSVKAQFKTS NSYTAGGLFK ESWRGGGGDE GDTGRLTPSR SQILRTPSLG REGAHDKGAG RAAVSDELRQ WYQRSTASHK EHSRLSHTSS TSSDSGSQYS TSSQSTFVAH SRVTRMPQMC KATSAALPQS QRSSTPSSEI GATPPSSPHH ILTWQTGEAT ENSPILDGSE SPPHQSTDE

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.

Product Details

- 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:	FRMD4A
Alternative Name:	FRMD4A (FRMD4A Products)
Background:	FERM domain-containing protein 4A,FUNCTION: Scaffolding protein that regulates epithelial cell polarity by connecting ARF6 activation with the PAR3 complex (By similarity). Plays a redundant role with FRMD4B in epithelial polarization (By similarity). May regulate MAPT secretion by activating ARF6-signaling (PubMed:27044754). {ECO:0000250|UniProtKB:Q8BIE6, ECO:0000269|PubMed:27044754}.
Molecular Weight:	115.5 kDa
UniProt:	Q9P2Q2

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 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

Application Details

	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 **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