Datasheet for ABIN3130919

FHAD1 Protein (AA 1-1420) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	FHAD1
Protein Characteristics:	AA 1-1420
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FHAD1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MKAYLKSADG FFVLNKSTTI GKHADSDLVL QSADIDNHHA LIEFNEAEGT FVLQDFNSRN GTFVNECHIQ NVAVKLIPGD ILRFGSAGMT YELVIENPSP VSCPWVRGPA PWPSPQPHLS SSPPDMPFHH GIQPATVQRS WSQGCPRPTM VPPAPHQRPM SASGKMFSFV MDPKSPVINQ VWANAMDMSE QCMMDGLSGT IPPTEIFMDH DLSQQDKDEI ILLLGREVNR LSDFEMESKY KDALIMNLQA EVADLSQRLS ETAAVAAARQ SNRCDPKLQG VDEGDDLRQK EIESMKSQIN ALQKGYSQVL SQTLAERNTE IESLKNEGEN LKRDHAITSG MVTSLQKDMS ARNEQVQQLQ EEVNRLRIEN REKEYQLEAL SSRCSVMKEE LRKEEAQKDR REAQEKELKL CRSQMQDMEK EVRKLREELK KNYMGQNIIS KTLREKNKVE EKLQEDSRRK LLQLQEMGNR ENLIKINLER AVGQLENFRN QVIKATFGKT KPFRDKPITD QQLIEKIIQV TEDNLSFQQR KWTLQRETHL HPKQEETMHS VEKLRVLLDK CQACMRDSCS SIDLKKEVEL LQHLPLSPLV SGLQKTVVNI LRVSLSWLEE TEQLLGDLDI ELSDSDKGFS LCLIYLLEHY KKIMSQSQDL QAQMNASRET

QKSLRQEHLA EKEKLAEKLE QEEKLKAKIQ QLTEEKAALE ESIGQEKSRS EEALEKAQAR VRELENHLAS QKEALENSVA QEKRKMREML EAERRKAQDL ENQLTQQKEI SENNTYEKLK MRDTLEKEKR KIQDLENRLT KQKEEIELKE QKENVLNNKL KDALVMVEDA QQMKTTESQR AETLALKLKE TLAELETTKT KMILTDDRLK LQQQSMKALQ DERESQKHGF EEEISEYKEQ IKQHSQTIVS LEERLCQVTQ YYQKIEGEIT TLKNNDTGPK EEASQDLTAG PPLDSGDKEI ACDHLIDDLL MAQKEILSQQ EIIMKLRTDL GEAHSRMSDL RGELSEKQKM ELERQVALVR QQSGELSMLK AKVAQTTGLM EKKDRELKVL REALRASQEK PRPHLSTEQK PRTLSQKCDI SLQIEPAHPD SFSSFQEEQS FSDLGVKCKG SRHEETIQRQ RKALSELRTR VRELEKANSC NHKDHVNESF LELRTLRMEK NVQKILLDAK PDLTTLARVE IRPPQNSPFN SGSTLVMEKS VKTDAGEALE LSEKLYTDMI KTLGSLMNIK DMSSHTSLKH LSPKEREKVN HLRQKDLDLV FDKITQLKTR LQRKEELLKG YEQELEQLRH SKVSVQMYQT QVAKLEDDVH KEAEEKALLK EALERTEQQL SQERRFNRVF KQQKDRGEDP EQRNMSYSPF KDNEKQRRLF VEMVKSKMQN SSVQAGAKKA TLKTGQERET KKEAYKSTQS LSFVKPGGKN

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

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:	FHAD1
Alternative Name:	Fhad1 (FHAD1 Products)
Background:	Forkhead-associated domain-containing protein 1 (FHA domain-containing protein 1)
Molecular Weight:	163.7 kDa
UniProt:	A6PWD2

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

Application Details

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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