Datasheet for ABIN3092512

FAM120A Protein (AA 1-1118) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	FAM120A
Protein Characteristics:	AA 1-1118
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FAM120A protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MGVQGFQDYI EKHCPSAVVP VELQKLARGS LVGGGRQRPP QTPLRLLVDA DNCLHRLYGG FYTDWVSGGQ WNHMLGYLAA LAKACFGGNI ELFVFFNGAL EKARLHEWVK RQGNERQTAQ QIVSHVQNKG TPPPKVWFLP PVCMAHCIRL ALIRFHVKVA QSIEDHHQEV IGFCRENGFH GLVAYDSDYA LCNIPYYFSA HALKLSRNGK SLTTSQYLMH EVAKQLDLNP NRFPIFAALL GNHILPDEDL ASFHWSLLGP EHPLASLKVR AHQLVLPPCD VVIKAVADYV RNIQDTSDLD AIAKDVFQHS QSRTDDKVIR FKRAIGYYSA TSKPMSFHPP HYLAARPGPF GMPGMVPPHV PPQMLNIPQT SLQAKPVAPQ VPSPGGAPGQ GPYPYSLSEP APLTLDTSGK NLTEQNSYSN IPHEGKHTPL YERSSPINPA QSGSPNHVDS AYFPGSSTSS SSDNDEGSGG ATNHISGNKI GWEKTGSHSE PQARGDPGDQ TKAEGSSTAS SGSQLAEGKG SQMGTVQPIP CLLSMPTRNH MDITTPPLPP VAPEVLRVAE HRHKKGLMYP YIFHVLTKGE IKIAVSIEDE ANKDLPPAAL LYRPVRQYVY GVLFSLAESR KKTERLAFRK NRLPPEFSPV IIKEWAAYKG KSPQTPELVE

ALAFREWTCP NLKRLWLGKA VEDKNRRMRA FLACMRSDTP AMLNPANVPT HLMVLCCVLR YMVQWPGARI LRRQELDAFL AQALSPKLYE PDQLQELKIE NLDPRGIQLS ALFMSGVDMA LFANDACGQP IPWEHCCPWM YFDGKLFQSK LLKASREKTP LIDLCDGQAD QAAKVEKMRQ SVLEGLSFSR QSHTLPFPPP PALPFYPASA YPRHFGPVPP SQGRGRGFAG VCGFGGPYGE TVATGPYRAF RVAAASGHCG AFSGSDSSRT SKSQGGVQPI PSQGGKLEIA GTVVGHWAGS RRGRGGRGPF PLQVVSVGGP ARGRPRGVIS TPVIRTFGRG GRYYGRGYKN QAAIQGRPPY AASAEEVAKE LKSKSGESKS SAMSSDGSLA ENGVMAEEKP APQMNGSTGD ARAPSHSESA LNNDSKTCNT NPHLNALSTD SACRREAALE AAVLNKEE

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:

Product Details

- 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:	FAM120A
Alternative Name:	FAM120A (FAM120A Products)
Background:	Constitutive coactivator of PPAR-gamma-like protein 1 (Oxidative stress-associated SRC activator) (Protein FAM120A),FUNCTION: Component of the oxidative stress-induced survival signaling. May regulate the activation of SRC family protein kinases (PubMed:19015244). May act as a scaffolding protein enabling SRC family protein kinases to phosphorylate and activate PI3-kinase (PubMed:19015244). Binds IGF2 RNA and promotes the production of IGF2 protein (PubMed:19015244). {ECO:0000269|PubMed:19015244}.
Molecular Weight:	121.9 kDa
UniProt:	Q9NZB2

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

Application Details

	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 **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