Datasheet for ABIN3077100

SH3RF2 Protein (AA 1-729) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	SH3RF2
Protein Characteristics:	AA 1-729
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SH3RF2 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MDDLTLLDLL ECPVCFEKLD VTAKVLPCQH TFCKPCLQRV FKAHKELRCP ECRTPVFSNI EALPANLLLV RLLDGVRSGQ SSGRGGSFRR PGTMTLQDGR KSRTNPRRLQ ASPFRLVPNV RIHMDGVPRA KALCNYRGQN PGDLRFNKGD IILLRRQLDE NWYQGEINGI SGNFPASSVE VIKQLPQPPP LCRALYNFDL RGKDKSENQD CLTFLKDDII TVISRVDENW AEGKLGDKVG IFPILFVEPN LTARHLLEKN KGRQSSRTKN LSLVSSSSRG NTSTLRRGPG SRRKVPGQFS ITTALNTLNR MVHSPSGRHM VEISTPVLIS SSNPSVITQP MEKADVPSSC VGQVSTYHPA PVSPGHSTAV VSLPGSQQHL SANMFVALHS YSAHGPDELD LQKGEGVRVL GKCQDGWLRG VSLVTGRVGI FPNNYVIPIF RKTSSFPDSR SPGLYTTWTL STSSVSSQGS ISEGDPRQSR PFKSVFVPTA IVNPVRSTAG PGTLGQGSLR KGRSSMRKNG SLQRPLQSGI PTLVVGSLRR SPTMVLRPQQ FQFYQPQGIP SSPSAVVVEM GSKPALTGEP ALTCISRGSE AWIHSAASSL IMEDKEIPIK SEPLPKPPAS APPSILVKPE NSRNGIEKQV KTVRFQNYSP PPTKHYTSHP

TSGKPEQPAT LKASQPEAAS LGPEMTVLFA HRSGCHSGQQ TDLRRKSALG KATTLVSTAS GTQTVFPSK

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.
- 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®).

Product Details

Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	SH3RF2
Alternative Name:	SH3RF2 (SH3RF2 Products)
Background:	E3 ubiquitin-protein ligase SH3RF2 (EC 2.3.2.27) (Heart protein phosphatase 1-binding protein) (HEPP1) (POSH-eliminating RING protein) (Protein phosphatase 1 regulatory subunit 39) (RING finger protein 158) (RING-type E3 ubiquitin transferase SH3RF2) (SH3 domain-containing RING finger protein 2),FUNCTION: Has E3 ubiquitin-protein ligase activity (PubMed:24130170). Acts as an anti-apoptotic regulator of the JNK pathway by ubiquitinating and promoting the degradation of SH3RF1, a scaffold protein that is required for pro-apoptotic JNK activation (PubMed:22128169). Facilitates TNF-alpha-mediated recruitment of adapter proteins TRADD and RIPK1 to TNFRSF1A and regulates PAK4 protein stability via inhibition of its ubiquitin-mediated proteasomal degradation (PubMed:24130170). Inhibits PPP1CA phosphatase activity (PubMed:19945436, PubMed:19389623). {ECO:0000269|PubMed:19389623, ECO:0000269|PubMed:19945436, ECO:0000269|PubMed:22128169, ECO:0000269|PubMed:24130170}.
Molecular Weight:	79.3 kDa
UniProt:	Q8TEC5

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

Application Details

	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