

Datasheet for ABIN3095070 RNF111 Protein (AA 1-994) (Strep Tag)



Overview

Quantity:	250 µg
Target:	RNF111
Protein Characteristics:	AA 1-994
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNF111 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MSQWTPEYNE LYTLKVDMKS EIPSDAPKTQ ESLKGILLHP EPIGAAKSFP AGVEMINSKV
	GNEFSHLCDD SQKQEKEMNG NQQEQEKSLV VRKKRKSQQA GPSYVQNCVK ENQGILGLRQ
	HLGTPSDEDN DSSFSDCLSS PSSSLHFGDS DTVTSDEDKE VSVRHSQTIL NAKSRSHSAR
	SHKWPRTETE SVSGLLMKRP CLHGSSLRRL PCRKRFVKNN SSQRTQKQKE RILMQRKKRE
	VLARRKYALL PSSSSSEND LSSESSSSSS TEGEEDLFVS ASENHQNNPA VPSGSIDEDV
	VVIEASSTPQ VTANEEINVT STDSEVEIVT VGESYRSRST LGHSRSHWSQ GSSSHASRPQ
	EPRNRSRIST VIQPLRQNAA EVVDLTVDED EPTVVPTTSA RMESQATSAS INNSNPSTSE
	QASDTASAVT SSQPSTVSET SATLTSNSTT GTSIGDDSRR TTSSAVTETG PPAMPRLPSC
	CPQHSPCGGS SQNHHALGHP HTSCFQQHGH HFQHHHHHHH TPHPAVPVSP SFSDPACPVE
	RPPQVQAPCG ANSSSGTSYH EQQALPVDLS NSGIRSHGSG SFHGASAFDP CCPVSSSRAA
	IFGHQAAAAA PSQPLSSIDG YGSSMVAQPQ PQPPPQPSLS SCRHYMPPPY ASLTRPLHHQ

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN3095070 | 02/26/2025 | Copyright antibodies-online. All rights reserved. ASACPHSHGN PPPQTQPPPQ VDYVIPHPVH AFHSQISSHA TSHPVAPPPP THLASTAAPI PQHLPPTHQP ISHHIPATAP PAQRLHPHEV MQRMEVQRRR MMQHPTRAHE RPPPHPHRMH PNYGHGHHIH VPQTMSSHPR QAPERSAWEL GIEAGVTAAT YTPGALHPHL AHYHAPPRLH HLQLGALPLM VPDMAGYPHI RYISSGLDGT SFRGPFRGNF EELIHLEERL GNVNRGASQG TIERCTYPHK YKKVTTDWFS QRKLHCKQDG EEGTEEDTEE KCTICLSILE EGEDVRRLPC MHLFHQVCVD QWLITNKKCP ICRVDIEAQL PSES 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 posttranslational 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.

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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:	RNF111
Alternative Name:	RNF111 (RNF111 Products)
Alternative Name: Background:	RNF111 (RNF111 Products) E3 ubiquitin-protein ligase Arkadia (EC 2.3.2.27) (RING finger protein 111) (hRNF111) (RING- type E3 ubiquitin transferase Arkadia),FUNCTION: E3 ubiquitin-protein ligase (PubMed:26656854). Required for mesoderm patterning during embryonic development (By similarity). Acts as an enhancer of the transcriptional responses of the SMAD2/SMAD3 effectors, which are activated downstream of BMP (PubMed:14657019, PubMed:16601693). Acts by mediating ubiquitination and degradation of SMAD inhibitors such as SMAD7, inducing their proteasomal degradation and thereby enhancing the transcriptional activity of TGF-beta and BMP (PubMed:14657019, PubMed:16601693). In addition to enhance transcription of SMAD2/SMAD3 effectors, also regulates their turnover by mediating their ubiquitination and subsequent degradation, coupling their activation with degradation, thereby ensuring that only effectors 'in use' are degraded (By similarity). Activates SMAD3/SMAD4-dependent transcription by triggering signal-induced degradation of SNON isoform of SKIL (PubMed:17591695). Associates with UBE2D2 as an E2 enzyme (PubMed:22411132). Specifically binds polysumoylated chains via SUM0 interaction motifs (SIMs) and mediates ubiquitination of sumoylated substrates (PubMed:23751493). Catalyzes 'Lys-63'-linked ubiquitination of sumoylated XPC in response to UV irradiation, promoting nucleotide excision repair (PubMed:23751493). Mediates ubiquitination and degradation of sumoylated PML (By similarity). The regulation of the BMP-SMAD signaling is however independent of sumoylated and is not dependent of SUM0 interaction motifs (SIMs) (By similarity).
	ECO:0000269 PubMed:16601693, ECO:0000269 PubMed:17591695, ECO:0000269 PubMed:22411132, ECO:0000269 PubMed:23751493, ECO:0000269 PubMed:26656854}.

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Target Details	
Molecular Weight:	108.9 kDa
UniProt:	Q6ZNA4
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 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

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