Datasheet for ABIN3094232

NRIP1 Protein (AA 1-1158) (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	NRIP1
Protein Characteristics:	AA 1-1158
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NRIP1 protein is labelled with Strep Tag.
Application:	Western Blotting (WB), ELISA, SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MTHGEELGSD VHQDSIVLTY LEGLLMHQAA GGSGTAVDKK SAGHNEEDQN FNISGSAFPT CQSNGPVLNT HTYQGSGMLH LKKARLLQSS EDWNAAKRKR LSDSIMNLNV KKEALLAGMV DSVPKGKQDS TLLASLLQSF SSRLQTVALS QQIRQSLKEQ GYALSHDSLK VEKDLRCYGV ASSHLKTLLK KSKVKDQKPD TNLPDVTKNL IRDRFAESPH HVGQSGTKVM SEPLSCAARL QAVASMVEKR ASPATSPKPS VACSQLALLL SSEAHLQQYS REHALKTQNA NQAASERLAA MARLQENGQK DVGSYQLPKG MSSHLNGQAR TSSSKLMASK SSATVFQNPM GIIPSSPKNA GYKNSLERNN IKQAANNSLL LHLLKSQTIP KPMNGHSHSE RGSIFEESST PTTIDEYSDN NPSFTDDSSG DESSYSNCVP IDLSCKHRTE KSESDQPVSL DNFTQSLLNT WDPKVPDVDI KEDQDTSKNS KLNSHQKVTL LQLLLGHKNE ENVEKNTSPQ GVHNDVSKFN TQNYARTSVI ESPSTNRTTP VSTPPLLTSS KAGSPINLSQ HSLVIKWNSP PYVCSTQSEK LTNTASNHSM DLTKSKDPPG EKPAQNEGAQ NSATFSASKL LQNLAQCGMQ SSMSVEEQRP SKQLLTGNTD

KPIGMIDRLN SPLLSNKTNA VEENKAFSSQ PTGPEPGLSG SEIENLLERR TVLQLLLGNP NKGKSEKKEK TPLRDESTQE HSERALSEQI LMVKIKSEPC DDLQIPNTNV HLSHDAKSAP FLGMAPAVQR SAPALPVSED FKSEPVSPQD FSFSKNGLLS RLLRQNQDSY LADDSDRSHR NNEMALLESK NLCMVPKKRK LYTEPLENPF KKMKNNIVDA ANNHSAPEVL YGSLLNQEEL KFSRNDLEFK YPAGHGSASE SEHRSWARES KSFNVLKQLL LSENCVRDLS PHRSNSVADS KKKGHKNNVT NSKPEFSISS LNGLMYSSTQ PSSCMDNRTF SYPGVVKTPV SPTFPEHLGC AGSRPESGLL NGCSMPSEKG PIKWVITDAE KNEYEKDSPR LTKTNPILYY MLQKGGNSVT SRETQDKDIW REASSAESVS QVTAKEELLP TAETKASFFN LRSPYNSHMG NNASRPHSAN GEVYGLLGSV LTIKKESE

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!

Product Details

	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:	NRIP1
Alternative Name:	NRIP1 (NRIP1 Products)
Background:	Nuclear receptor-interacting protein 1 (Nuclear factor RIP140) (Receptor-interacting protein 140),FUNCTION: Modulates transcriptional activation by steroid receptors such as NR3C1, NR3C2 and ESR1. Also modulates transcriptional repression by nuclear hormone receptors. Positive regulator of the circadian clock gene expression: stimulates transcription of BMAL1, CLOCK and CRY1 by acting as a coactivator for RORA and RORC. Involved in the regulation of ovarian function (By similarity). Plays a role in renal development (PubMed:28381549). {ECO:0000250|UniProtKB:Q8CBD1, ECO:0000269|PubMed:10364267, ECO:0000269|PubMed:11509661, ECO:0000269|PubMed:11518808, ECO:0000269|PubMed:12554755, ECO:0000269|PubMed:15060175, ECO:0000269|PubMed:21628546, ECO:0000269|PubMed:28381549, ECO:0000269|PubMed:7641693}.
Molecular Weight:	126.9 kDa
UniProt:	P48552
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway

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.

Application Details

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