

Datasheet for ABIN3134561
RIN3 Protein (AA 1-980) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	RIN3
Protein Characteristics:	AA 1-980
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RIN3 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p> MRRAEAPSSA HPAGPIPDAG KGEDEEEDK DGTRLGLSTT PRNCIPRRGI SVLEKLVKTC PVWLQLGLGQ AEAAILQEQE MAGMFLVCRD NNLKQLVLCV HFPSLKGSSA EVLEYPIKEE KAILYLEGSV LVFEDIFRLI AFYCVSRDLL PFTLRLPQAI LEASSFLELE TISNLGLGFW DSSLNSRGSA EPLRSPAPGT PASSSLRPTT HYANCSCIE LSVGNDRLWF VNPIFIEDCI LPADPPPLPT GSYPPTPTA TPDATSPTSK GSPRRPPPPP PLPTVPPTGP ARPLAPPVPP AGPLPNSPLT PTSHLAPHAP GPPGHSNQPP MTACESLPRP AVGLGPFGEEMKPGTTPNP LHQAPPPPLP LKKALPAAPP RRRISERVSL ESQNVGTSTD RDHSGISRTA SLNLPPQSTV SSLGDRPPRT TEQSQDTEAK ASHADSIPVP PGKAKQPPVP PPRKKRVSQR LASTLLSPLE SPIQEASSEK QATGASWEGL SPVRQAGMQH LQVQSSSCPQ SSPEFKGSQA SLSDSLGVPA SAADQDSYST SSAEELEFS SPNVKKKPSM ILDKARHRLS FVSFASVFHA FLSSDRKLYK KVELAQDKS SYFGSLVQDY KVYSLEMMAR QTSSTEMLQE IRTMMTQLKS YLLQSTELKA </p>

LVEPTLHSEE ELEAIVESAL YKCVLKPLKE AINSSLLEIH SRDGSLLQQLK ENQLVVLATT
TTDLGVTTTSV PEVAVMEKIL QKLTSMHKAY SPGKKISILL KTCKLIYDSM ALGNPGKPYG
ADDFLPVLMY VLARSNLTEM LLNVEYMMEL MDPALQLGEG SYYLTTTYGA LEHIKNYDKI
TVTRQLSVEV QDSIHRWERR RTLNKARASR SSVQDFICVS YLKPEQQSRT LASRADTAAQ
ALCAQCAEFK EVSQPDYRL FVLVDGRFCFQ LADEALPHRI KGYLLRSEPK RDFHFVYRPQ
DSGKDASSQP CIVVREPNFL

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.

Product Details

- 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: RIN3

Alternative Name: Rin3 ([RIN3 Products](#))

Background: Ras and Rab interactor 3 (Ras interaction/interference protein 3),FUNCTION: Ras effector protein that functions as a guanine nucleotide exchange (GEF) for RAB5B and RAB31, by exchanging bound GDP for free GTP. Required for normal RAB31 function (By similarity). {ECO:0000250}.

Molecular Weight: 107.2 kDa

UniProt: [P59729](#)

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!

Application Details

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