

Datasheet for ABIN7563667  
**RIC8A Protein (AA 1-530) (His tag)**



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## Overview

Quantity:	1 mg
Target:	RIC8A
Protein Characteristics:	AA 1-530
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RIC8A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Ric8a Protein expressed in mammalian cells.
Sequence:	MEPRAVADAL ETGEEDAVTE ALRSFNREHS QSFTFDDAQQ EDRKRLAKLL VSVLEQGLSP KHRVTWLQTI RILSRDRSCL DSFASRQLH ALACYADITV SEEPIQSPD MDVLLESKLC LCNLVLSSPT AQMLAAEARL VVRLAERVGL YRKRSYPHEV QFFDLRLLFL LTALRTDVRQ QLFQELHGVR LLTDALELTL GVAPKENPPV MLPAQETERA MEILKVLVFNITFDSVKREVD EEDAALYRYL GTLLRHCV MV EAAGDRTEEF HGHTVNLLGN LPLKCLDVLL ALELHEGSLE FMGVNMDVIS ALLAFLEKRL HQTHRLKECV APVLNVLTEC ARMHRPARKF LKAQVLPPLR DVRTRPEVGD LLRNKLVRLM THLDTDVKRV AAFLFVLCSESVPRFIKYT GYGNAAGLLA ARGLMAGGRP EGQYSEDED TTEEYREAKA SINPVTGRVE EKPPNPMEGM TEEQKEHEAM KLVNMFDKLS RHRVIQPMGM SPRGHLSLQ DAMCETMEGQ LSSDPDSDPD <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a</b>

## Product Details

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### special request, please contact us.

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#### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

#### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

#### Grade:

custom-made

## Target Details

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#### Target:

RIC8A

#### Alternative Name:

Ric8a ([RIC8A Products](#))

#### Background:

Synembryn-A (Protein Ric-8A),FUNCTION: Guanine nucleotide exchange factor (GEF), which can activate some, but not all, G-alpha proteins. Able to activate GNAI1, GNAO1 and GNAQ, but not GNAS by exchanging bound GDP for free GTP. Involved in regulation of microtubule pulling forces during mitotic movement of chromosomes by stimulating G(i)-alpha protein, possibly leading to release G(i)-alpha-GTP and NuMA proteins from the NuMA-GPSM2-G(i)-alpha-GDP complex. Also acts as an activator for G(q)-alpha (GNAQ) protein by enhancing the G(q)-coupled receptor-mediated ERK activation (By similarity). {ECO:0000250}.

#### Molecular Weight:

59.8 kDa

#### UniProt:

[Q3TIR3](#)

#### Pathways:

[Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Feeding Behaviour](#), [Asymmetric Protein Localization](#)

## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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