

Datasheet for ABIN7563286  
**RPH3A Protein (AA 1-681) (His tag)**



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## Overview

Quantity:	1 mg
Target:	RPH3A
Protein Characteristics:	AA 1-681
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPH3A protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Rph3a Protein expressed in mammalien cells.
Sequence:	MTDVTVNRWM YPGDGPLQSN DKEQLQAGWS VHPGAQTDRQ RKQEELTDEE KEIINRVIAR AEKMEAMEQE RIGRLVDRLE TMRKNVAGDG VNRCILCGEQ LGMLGSACVV CEDCKKNVCT KCGVETSNNR PHPVWLCKIC LEQREVWKR S GAWFFKGFPK QVLPQPMPIK KTKPQQPAGE PATQEQTPE SRHPARAPAR GDMEDRRPPG QKPGDLTSA PGRGSHGPPT RRASEARMST AARDSEGWDH AHGGGTGDT S RSPAGLRRAN SVQAARPAPA PVPSPAPPQP VQPGPPGGSR ATPGPGRFPE QSTEAPSDP GYPGAVAPAR EERTGPAGGF QAAPHTAAPY SQAAPARQPP PAEEEEEEAN SYDSDEATTL GALEFSLLYD QDNSNLQCTI IRAKGLKPM S NGLADPYVK LHLLPGASKS NKLRTKTLRN TRNPVWNETL QYHGITEEDM QRKTLRISVC DEDKFGHNEF IGETRFSLKK LKANQRKNFN ICLERVIPMK RAGTTGSARG MALYEEEQVE RIGDIEERGK ILVSLMYSTQ QGGLIVGIIR CVHLAAMDAN GYSDFVVKLW LKPDMDGKKAK HKTQIKKKTL NPEFNEEFFY DIKHSDLAKK SLDISVWDYD IGKSNDYIGG CQLGISAKGE RLKHWYECLK

NKDKKIERWH QLQENHVSS D **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 special request, please contact us.**

### 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:

RPH3A

### Alternative Name:

Rph3a ([RPH3A Products](#))

### Background:

Rabphilin-3A (Exophilin-1),FUNCTION: Plays an essential role in docking and fusion steps of regulated exocytosis (By similarity). At the presynaptic level, RPH3A is recruited by RAB3A to the synaptic vesicle membrane in a GTP-dependent manner where it modulates synaptic vesicle trafficking and calcium-triggered neurotransmitter release (By similarity). In the post-synaptic compartment, forms a ternary complex with GRIN2A and DLG4 and regulates NMDA receptor stability. Also plays a role in the exocytosis of arginine vasopressin hormone (By similarity). {ECO:0000250|UniProtKB:P47709}.

### Molecular Weight:

75.5 kDa

### UniProt:

[P47708](#)

## Target Details

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Pathways: [Synaptic Vesicle Exocytosis](#)

## 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.

Restrictions: For Research Use only

## Handling

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Format: Liquid

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months