

Datasheet for ABIN7559443

**Reticulon 1 Protein (RTN1) (AA 1-780) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Reticulon 1 (RTN1)
Protein Characteristics:	AA 1-780
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Reticulon 1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Rtn1 Protein expressed in mammalien cells.
Sequence:	MAAPPDLQDE PLSLGSPGSQ WFGGRGDGED EATAVMGARP AQQDGPAWG SGAGAGVTSS RELCSGPARS PPVAMETAST GMAAVPDALD HSPSSTLKDG EGACYTSLIS DVCYPPREDS AYFTGILQKE NGHITSESP EEPETPGPSL PEVPGMEPQG LLSSDSGIEM TPAESTEVENK ILADPLDQMK AEAYKYIDIT RPQEAKGQEE QHPGLEDKDL DFKDKDTEVS TKAEGVRAPN QPAPVEGKLI KDHLFEESTF APYIDELSDE QHRVSLVTAP VKITLTEIEP PLMTATQETI PEKQDLCLKP SPDTVPTVTV SEPEDDSPGS VTPPSSGTEP SAAESQGKGS VSEDELIAAI KEAKGLSYET TESPRPVGQV ADKPKTKTRS GLPTIPSPLD QEASSAESGD SEIELVSEDP MASEDALPSG YVSFGHVSGP PPSPASPSIQ YSILREEREA ELDSELIIES CDASSASEES PKREQDSPPM KPGALDAIRE ETGSRATEER APHQGPVEP DPMLSFAAAA ALQSRPEPSS GDGASVPEPP RSQQQKPEEE AVSSSQSPTA TEIPGPLGSG LMPPLPFFNK QKAIDLLYWR DIKQTGIVFG SFLLLLFSLT QFSVSVVAV LALAALSATI SFRIYKSVLQ AVQKTDEGHP

## Product Details

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FKAYLELEIT LSQEQIQKYT DCLQLYVNST LKELRRLFLV QDLVDSLKFA VLMWLLTYVG  
ALFNGLTLLL MAVVSMFTLP VVYVKHQAQV DQYLGLVRTH INTVVAKIQA KIPGAKRHAE

**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.**

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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.

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### Purity:

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

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### Grade:

custom-made

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## Target Details

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### Target:

Reticulon 1 (RTN1)

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### Alternative Name:

Rtn1 ([RTN1 Products](#))

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### Background:

Reticulon-1 (Neuroendocrine-specific protein),FUNCTION: Inhibits amyloid precursor protein processing, probably by blocking BACE1 activity. {ECO:0000250|UniProtKB:Q16799}.

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### Molecular Weight:

83.6 kDa

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### UniProt:

[Q8K0T0](#)

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## Application Details

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### Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies

## Application Details

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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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