

Datasheet for ABIN7558348  
**C9orf41 Protein (AA 1-400) (His tag)**



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## Overview

Quantity:	1 mg
Target:	C9orf41
Protein Characteristics:	AA 1-400
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C9orf41 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Carnmt1 Protein expressed in mammalian cells.
Sequence:	<p>MQRRQRAPPA SQPAQDGGRS EDVEVQFSAG RLGSAAPAGP PARGTAEDEE RLEREHFWKV INAFRYYGTS MHERVNRTER QFRSLPENQQ KLLPQFPLHL DKIRKCIDHN QEILLTIVND CIHMFENKEY GEDANGKIMP ASTFDMDKLK STLKQFVRDW SETGKAERDA CYKPIIKEII KNFPKERWDP SKVNILVPGA GLGRLAWEVA MLGYACQGNE WFFFMLFSSN FVLNRCSEIN KYKLYPWIHQ FSNRRRSADQ IRPILFPDVD PHSPPGSNF SMTAGDFQEI YSECAWDCI ATCFFIDTAH NVIDYIDIW RILKPGGIWI NLGPLYHFE NLANELSIEL SYEDIKNVVL QYGFQLEVEK ESVLSTYTVN DLSMMKYYYE CVLFVVRKPQ <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 special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

## Product Details

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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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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### Grade:

custom-made

## Target Details

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### Target:

C9orf41

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### Alternative Name:

Carnmt1 ([C9orf41 Products](#))

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### Background:

Carnosine N-methyltransferase (EC 2.1.1.22),FUNCTION: N-methyltransferase that catalyzes the formation of anserine (beta-alanyl-N(Pi)-methyl-L-histidine) from carnosine. Anserine, a methylated derivative of carnosine (beta-alanyl-L-histidine), is an abundant constituent of vertebrate skeletal muscles. Also methylates other L-histidine-containing di- and tripeptides such as Gly-Gly-His, Gly-His and homocarnosine (GABA-His).  
{ECO:0000250|UniProtKB:Q5BJZ6}.

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### Molecular Weight:

46.3 kDa

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### UniProt:

[Q80UY1](#)

## Application Details

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### Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

## Application Details

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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