

Datasheet for ABIN7564618  
**CNOT3 Protein (AA 1-751) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CNOT3
Protein Characteristics:	AA 1-751
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNOT3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Cnot3 Protein expressed in mammalian cells.
Sequence:	MADKRKLQGE IDRCLKKVVSE GVEQFEDIWQ KLHNAANANQ KEKYEADLKK EIKKLQRLRD QIKTWVASNE IKDKRQLIEN RKLITQMER FKVVERETKT KAYSKEGLGL AQKVDPAQKE KEEVGQWL TN TIDTLNMQVD QFESEVESLS VQTRKKKGDK DKQDRIEGLK RHIEKHRYHV RMLETILRML DNDSILVDAI RRIKDDVEYY VDSSQDPDFE ENFLYDDLD LEDIPQALVA TSPPSHSHME DEIFNQSSST PTSTTSSSPI PPSPANCTTE NSEDDKKRGR STDSEVSQSP AKNGSKPVHS NQHPQSPAVP PTYPSGPPPT TSALSSTPGN NGASTPAAPT SALGPKASPA PSHNSGTPAP YAQAVAPPNA SGPSNAQPRP PSAQPSGGSG GGSGGSSNS NSGTGGGAGK QNGATSYSSV VADSPAEVTL SSSGGSSASS QALGPTSGPH NPAPSTSKES STAAPSGAGN VASGSGNNSG GPSLLVPLPV NPPSSPTPSF SEAKAAGTLL NGPPQFSTTP EIKAPEPLSS LKSM AERAAI SSGIEDPVPT LHLTDRDIIL SSTSAPPTSS QPPLQLSEVN IPLSLGVCPL GPVSLTKEQL YQQAMEEAAW HHMPHPSDSE RIRQYLPRNP CPTPPYHHQM PPPHSDTVEF YQRLSTETLF FIFYYLEGTK AQYLAALK KQSWRFHTKY MMWFQRHEEP KTITDEFEQG

## Product Details

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TYIYFDYEKW GQRKKEGFTF EYRYLEDRDL Q **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.**

**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.

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

**Grade:** custom-made

## Target Details

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**Target:** CNOT3

**Alternative Name:** Cnot3 ([CNOT3 Products](#))

**Background:** CCR4-NOT transcription complex subunit 3 (CCR4-associated factor 3),FUNCTION: Component of the CCR4-NOT complex which is one of the major cellular mRNA deadenylases and is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. Additional complex functions may be a consequence of its influence on mRNA expression. May be involved in metabolic regulation, may be involved in recruitment of the CCR4-NOT complex to deadenylation target mRNAs involved in energy metabolism. Involved in mitotic progression

## Target Details

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and regulation of the spindle assembly checkpoint by regulating the stability of MAD1L1 mRNA. Can repress transcription and may link the CCR4-NOT complex to transcriptional regulation, the repressive function may involve histone deacetylases. Involved in the maintenance of embryonic stem (ES) cell identity, prevents their differentiation towards extraembryonic trophectoderm lineages. {ECO:0000269|PubMed:21897366, ECO:0000269|PubMed:22367759}.

Molecular Weight: 81.9 kDa

UniProt: [Q8K0V4](#)

Pathways: [Stem Cell Maintenance](#)

## 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.

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