

Datasheet for ABIN7553487
CNOT7 Protein (AA 1-285) (His tag)



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Overview

Quantity:	1 mg
Target:	CNOT7
Protein Characteristics:	AA 1-285
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNOT7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CNOT7 Protein expressed in mammalian cells.
Sequence:	MPAATVDHSQ RICEVWACNL DEEMKKIRQV IRKYNVAMD TEPGCVVARP IGEFRSNADY QYQLLR CNVD LLKIIQLGLT FMNEQGEYPP GTSTWQFNFK FNLTEDMYAQ DSIELLTTSG IQFKKHEEEG IETQYFAELL MTSGVWLCEG VKWLSFHSGY DFGYLIKILT NSNLPEEELD FFEILRLFFP VIYDVKYLKMK SCKNLKGGLQ EVAEQLELER IGPQHAGSD SLLTGMAFFK MREMFEDHI DDAKYCGHLY GLGSGSSYVQ NGTGNAYEEE ANKQS 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:

Product Details

- 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

Target:	CNOT7
Alternative Name:	CNOT7 (CNOT7 Products)
Background:	<p>CCR4-NOT transcription complex subunit 7 (EC 3.1.13.4) (BTG1-binding factor 1) (CCR4-associated factor 1) (CAF-1) (Caf1a),FUNCTION: Has 3'-5' poly(A) exoribonuclease activity for synthetic poly(A) RNA substrate (PubMed:20634287, PubMed:31439799, PubMed:19276069). Its function seems to be partially redundant with that of CNOT8 (PubMed:19605561). Catalytic 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 (PubMed:20634287, PubMed:31439799, PubMed:19276069). During miRNA-mediated repression the complex seems also to act as translational repressor during translational initiation (PubMed:20065043). Additional complex functions may be a consequence of its influence on mRNA expression (PubMed:23236473, PubMed:19276069). Associates with members of the BTG family such as TOB1 and BTG2 and is required for their anti-proliferative activity (PubMed:23236473, PubMed:19276069).</p> <p>{ECO:0000269 PubMed:19276069, ECO:0000269 PubMed:19605561,</p>

Target Details

ECO:0000269|PubMed:20065043, ECO:0000269|PubMed:20634287,
ECO:0000269|PubMed:23236473, ECO:0000269|PubMed:31439799}.

Molecular Weight: 32.7 kDa

UniProt: [Q9UIV1](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

Application Details

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

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