

Datasheet for ABIN7564517
CNOT2 Protein (AA 1-540) (His tag)



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Overview

Quantity:	1 mg
Target:	CNOT2
Protein Characteristics:	AA 1-540
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNOT2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cnot2 Protein expressed in mammalian cells.
Sequence:	MVRTDGHTLS EKRNYQVTNS MFGASRKKFV EGVDSYHDE NMYYSQSSMF PHRSEKDMLA SPSTSGQLSQ FGASLYGQQS ALGLPMRGMS NNTPQLNRS L SGGTQLPSHV TPTTGVPTMS LHTPPSPSRG ILPMNPRNMM NHSQVGQIG IPSRTNSMSS SGLGSPNRSS PSIICMPKQQ PSRQPFTVNS MSGFGMNRNQ AFGMNNLS L NIFNGTDGSE NVTGLDLSD F PALADRNRR E GSGNPTPLIN PLAGRAPYVG MVTKPANEQS QDFSIHNED F PALPGSSYKD PTSSNDDSKS NLSTSGKTTS STDGPKFPGD KSSTTQNNNQ QKKGIVLPD GRVTNIPQGM VTDQFGMIGL LTFIRAAETD PGMVHLALGS DLTTLGLNLN SPENLYPKFA SPWASSPCRP QDIDFHV PSE YLTNIHIRDK LAAIKLGRYG EDLLFYLYM NGGDVLQLLA AVELFNRDWR YHKEERVWIT RAPGMEPTMK TNYERGTYY FFDCLNWRKV AKEFHLEYDK LEERPHLPST FNYNPAQQA F 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.

Product Details

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

Target:	CNOT2
Alternative Name:	Cnot2 (CNOT2 Products)
Background:	CCR4-NOT transcription complex subunit 2 (CCR4-associated factor 2),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. Required for the CCR4-NOT complex structural integrity. Can repress transcription and may link the CCR4-NOT complex to transcriptional regulation, the repressive function may specifically involve the N-CoR repressor complex containing HDAC3, NCOR1 and NCOR2. Involved in the maintenance of embryonic stem (ES) cell identity, prevents their differentiation towards extraembryonic trophectoderm lineages. {ECO:0000269 PubMed:22367759}.
Molecular Weight:	59.7 kDa

Target Details

UniProt:	Q8C5L3
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling , Stem Cell Maintenance

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