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Datasheet for ABIN7546507
CNOT4 Protein (AA 1-575) (His tag)

Overview

Quantity:	1 mg
Target:	CNOT4
Protein Characteristics:	AA 1-575
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNOT4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CNOT4 Protein expressed in mammalian cells.
Sequence:	<p>MSRSPDAKED PVECPLCMEP LEIDDINFFP CTCGYQICRF CWHRIRTDEN GLCPACRKPY PEDPAVYKPL SQEELQRIKN EKKQKQNERK QKISENRKHL ASVRVVQKNL VFVVGLSQRL ADPEVLKRPE YFGKFGKIHK VVINNSTSYA GSQGSPASAY VTYIRSEDAL RAIQCVNNVV VDGRTLKASL GTTKYCSYFL KNMQCPKDC MYLHELGDEA ASFTKEEMQA GKHQEYEQKL LQELYKLNPN FLQLSTGSVD KNKNKVTPQL RYDTPIDKPS DSLSIGNGDN SQQISNSDTP SPPPGLSKSN PVIPISSNH SARSPFEGAV TESQSLFSDN FRHPNPIPSG LPPFPSSPQT SSDWPTAPEP QSLFTSETIP VSSSTDWQAA FFGGSSKQPE DDLGFDPFDV TRKALADLIE KELSVQDQPS LSPTSLQNSS SHTTTAKGPG SGFLHPAAAT NANSLNSTFS VLPQRFQFQ QHRAVYNSFS FPGQAARYPW MAFPRNSIMH LNHTANPTSN SNFLDLNLPP QHNTGLGGIP VAGEEEVKVS TEMPLSTSSHS LQQGQOPTSL HTTVA 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</p>

Product Details

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

Target: CNOT4

Alternative Name: CNOT4 ([CNOT4 Products](#))

Background: CCR4-NOT transcription complex subunit 4 (EC 2.3.2.27) (CCR4-associated factor 4) (E3 ubiquitin-protein ligase CNOT4) (Potential transcriptional repressor NOT4Hp) (RING-type E3 ubiquitin transferase CNOT4),FUNCTION: Has E3 ubiquitin ligase activity, promoting ubiquitination and degradation of target proteins (PubMed:11823428, PubMed:22159038, PubMed:26575292). Involved in activation of the JAK/STAT pathway (PubMed:11823428, PubMed:22159038). Catalyzes ubiquitination of methylated RBM15 (PubMed:26575292). Plays a role in quality control of translation of mitochondrial outer membrane-localized mRNA (PubMed:29861391). As part of the PINK1-regulated signaling, upon mitochondria damage, ubiquitinates ABCE1 and thereby recruits autophagy receptors to the mitochondrial outer membrane to initiate mitophagy (PubMed:29861391). {ECO:0000269|PubMed:11823428,

Target Details

ECO:0000269|PubMed:22159038, ECO:0000269|PubMed:26575292,
ECO:0000269|PubMed:29861391}.

Molecular Weight: 63.5 kDa

UniProt: [O95628](#)

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