

Datasheet for ABIN3091834

CNOT6 Protein (AA 1-557) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	CNOT6
Protein Characteristics:	AA 1-557
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNOT6 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	<p>MPKEYEPPD PRRMYTIMSS EEAANGKKSH WAELEISGKV RLSASLWSL THLTALHLSD</p> <p>NSLSRIPSDI AKLHNLVYLD LSSNKIRSLP AELGNMVSLR ELHLNNNLLR VLPFELGKLF</p> <p>QLQTLGLKGN PLTQDILNLY QEPDGTTRLL NYLLDNLSGT AKRITTEQPP PRSWIMLQEP</p> <p>DRTRPTALFS VMCYNVLC DK YATRQLYGYC PSWALNWDYR KKAIQEILS CNADIVSLQE</p> <p>VETEYYYSFF LVELKERGYN GFFSPKSRAR TMSEQERKHV DGCAIFFKTE KFTLVQKHTV</p> <p>EFNQLAMANS EGSEAMLNRV MTKDNIGVAV LLELRKESIE MPSGKPHLGT EKQLILVANA</p> <p>HMHWDPPEYSD VKLVQTMFL SEVKNIIDKA SRNLKSSVLG EFGTIPLVLC ADLNSLPDSG</p> <p>VVEYLSTGGV ETNHKDFKEL RYNESLTNFS CHGKNGTTNG RITHGFKLQS AYESGLMPYT</p> <p>NYTFDFKGII DYIFYSKPQL NTLGILGPLD HHWLVENNIS GCPHPLIPSD HFSLFAQLEL</p> <p>LLPFLPQVNG IHLPGRR</p>

Sequence without tag. The proposed Strep-Tag is based on experience s 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.

Characteristics:

Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:

One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).

Purity:

> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

Grade:

custom-made

Target Details

Target:	CNOT6
Alternative Name:	CNOT6 (CNOT6 Products)
Background:	<p>CCR4-NOT transcription complex subunit 6 (EC 3.1.13.4) (CCR4 carbon catabolite repression 4-like) (Carbon catabolite repressor protein 4 homolog) (Cytoplasmic deadenylase),FUNCTION: Poly(A) nuclease with 3'-5' RNase activity. 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. Additional complex functions may be a consequence of its influence on mRNA expression. Involved in mRNA decay mediated by the major-protein-coding determinant of instability (mCRD) of the FOS gene in the cytoplasm. In the presence of ZNF335, enhances ligand-dependent transcriptional activity of nuclear hormone receptors, including RARA. The increase of ligand-dependent ESR1-mediated transcription is much smaller, if any. Mediates cell proliferation and cell survival and prevents cellular senescence. {ECO:0000269 PubMed:11889047, ECO:0000269 PubMed:18180299, ECO:0000269 PubMed:20065043, ECO:0000269 PubMed:21233283}.</p>
Molecular Weight:	63.3 kDa
UniProt:	Q9ULM6

Application Details

Application Notes:	<p>In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.</p>
Comment:	<p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.</p> <p>During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!</p>

Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months