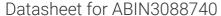
antibodies .- online.com





ANAPC2 Protein (AA 1-822) (Strep Tag)



Image



Overview

Quantity:	1 mg
Target:	ANAPC2
Protein Characteristics:	AA 1-822
Origin:	Human
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANAPC2 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Sequence:

MAAAVVVAEG DSDSRPGQEL LVAWNTVSTG LVPPAALGLV SSRTSGAVPP KEEELRAAVE VLRGHGLHSV LEEWFVEVLQ NDLQANISPE FWNAISQCEN SADEPQCLLL LLDAFGLLES RLDPYLRSLE LLEKWTRLGL LMGTGAQGLR EEVHTMLRGV LFFSTPRTFQ EMIQRLYGCF LRVYMQSKRK GEGGTDPELE GELDSRYARR RYYRLLQSPL CAGCSSDKQQ CWCRQALEQF HQLSQVLHRL SLLERVSAEA VTTTLHQVTR ERMEDRCRGE YERSFLREFH KWIERVVGWL GKVFLQDGPA RPASPEAGNT LRRWRCHVQR FFYRIYASLR IEELFSIVRD FPDSRPAIED LKYCLERTDQ RQQLLVSLKA ALETRLLHPG VNTCDIITLY ISAIKALRVL DPSMVILEVA CEPIRRYLRT REDTVRQIVA GLTGDSDGTG DLAVELSKTD PASLETGQDS EDDSGEPEDW VPDPVDADPG KSSSKRRSSD IISLLVSIYG SKDLFINEYR SLLADRLLHQ FSFSPEREIR NVELLKLRFG EAPMHFCEVM LKDMADSRRI NANIREEDEK RPAEEQPPFG VYAVILSSEF WPPFKDEKLE VPEDIRAALE AYCKKYEQLK AMRTLSWKHT LGLVTMDVEL ADRTLSVAVT PVQAVILLYF QDQASWTLEE LSKAVKMPVA LLRRRMSVWL QQGVLREEPP GTFSVIEEER

PQDRDNMVLI DSDDESDSGM ASQADQKEEE LLLFWTYIQA MLTNLESLSL DRIYNMLRMF VVTGPALAEI DLQELQGYLQ KKVRDQQLVY SAGVYRLPKN CS

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 by multi-step, protein-specific process to ensure correct folding and modification.
- 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 will ensure that you receive a correctly folded 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 posttranslational 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 in several dilutions and is measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Product Details

Two step purification of proteins expressed in Almost Living Cell-Free Expression System
(ALiCE®):
 In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. Eluate fractions are analyzed by SDS-PAGE.
Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
>80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)
Crystallography grade
ANAPC2
ANAPC2 (ANAPC2 Products)
Anaphase-promoting complex subunit 2 (APC2) (Cyclosome subunit 2),FUNCTION: Together
with the RING-H2 protein ANAPC11, constitutes the catalytic component of the anaphase
promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls
progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by
mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the
formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'
and 'Lys-63'-linked polyubiquitin chains. The CDC20-APC/C complex positively regulates the
formation of synaptic vesicle clustering at active zone to the presynaptic membrane in
postmitotic neurons. CDC20-APC/C-induced degradation of NEUROD2 drives presynaptic
differentiation. {ECO:0000269 PubMed:11739784, ECO:0000269 PubMed:18485873}.
93.8 kDa
Q9UJX6
Regulation of Cell Size
In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

Comment:

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!

Restrictions:

For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. If you have a special request, please contact us.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

Images

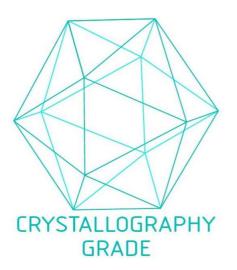


Image 1. "Crystallography Grade" protein due to multi-step, protein-specific purification process