Datasheet for ABIN3092219

E4F1 Protein (AA 1-784) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	E4F1
Protein Characteristics:	AA 1-784
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This E4F1 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MEGAMAVRVT AAHTAEAQAE AGREAGEGAV AAVAAALAPS GFLGLPAPFS EEDEDDVHRC GRCQAEFTAL EDFVQHKIQK ACQRAPPEAL PATPATTALL GQEVVPAAPG PEEPITVAHI VVEAASLAAD ISHASDLVGG GHIKEVIVAA EAELGDGEMA EAPGSPRQQG LGLAGEGEQA QVKLLVNKDG RYVCALCHKT FKTGSILKAH MVTHSSRKDH ECKLCGASFR TKGSLIRHHR RHTDERPYKC SKCGKSFRES GALTRHLKSL TPCTEKIRFS VSKDVVVSKE DARAGSGAGA AGLGTATSSV TGEPIETSPV IHLVTDAKGT VIHEVHVQMQ ELSLGMKALA PEPPVSQELP CSSEGSRENL LHQAMQNSGI VLERAAGEEG ALEPAPAAGS SPQPLAVAAP QLPVLEVQPL ETQVASEASA VPRTHPCPQC SETFPTAATL EAHKRGHTGP RPFACAQCGK AFPKAYLLKK HQEVHVRERR FRCGDCGKLY KTIAHVRGHR RVHSDERPYP CPKCGKRYKT KNAQQVHFRT HLEEKPHVCQ FCSRGFREKG SLVRHVRHHT GEKPFKCYKC GRGFAEHGTL NRHLRTKGGC LLEVEELLVS EDSPAAATTV LTEDPHTVLV EFSSVVADTQ EYIIEATADD AETSEATEII

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EGTQTEVDSH IMKVVQQIVH QASAGHQIIV QNVTMDEETA LGPEAAAADT ITIATPESLT EQVAMTLASA ISEGTVLAAR AGTSGTEQAT VTMVSSEDIE ILEHAGELVI ASPEGQLEVQ TVIV

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®).

Product Details

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

Target Details

Target:	E4F1
Alternative Name:	E4F1 (E4F1 Products)
Background:	Transcription factor E4F1 (EC 2.3.2.27) (E4F transcription factor 1) (Putative E3 ubiquitin-protein ligase E4F1) (RING-type E3 ubiquitin transferase E4F1) (Transcription factor E4F) (p120E4F) (p50E4F),FUNCTION: May function as a transcriptional repressor. May also function as a ubiquitin ligase mediating ubiquitination of chromatin-associated TP53. Functions in cell survival and proliferation through control of the cell cycle. Functions in the p53 and pRB tumor suppressor pathways and regulates the cyclin CCNA2 transcription., FUNCTION: Identified as a cellular target of the adenoviral oncoprotein E1A, it is required for both transcriptional activation and repression of viral genes.
Molecular Weight:	83.5 kDa
UniProt:	Q66K89

Application Details

Application Notes:	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.
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. 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

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