

Datasheet for ABIN1047411  
**c-MYC Protein (AA 1-439) (His tag)**



[Go to Product page](#)

1 Image

3 Publications

Overview

Quantity:	100 µg
Target:	c-MYC (MYC)
Protein Characteristics:	AA 1-439
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This c-MYC protein is labelled with His tag.
Application:	ELISA, SDS-PAGE (SDS)

Product Details

Sequence: MPLNVSFTNR NYDLDYDSVQ PYFYCDEEEN FYQQQQQSEL QPPAPSEDIW KKFELLPTPP  
 LPSRRSGLC SPSYVAVTPF SLRGDNDGGG GSFSTADQLE MVTELLGGDM VNQSFICDPD  
 DETFIKNIII QDCMWSGFSA AAKLVSEKLA SYQAARKDSG SPNPARGHSV CSTSSLYLQD  
 LSAAASECID PSVFPYPLN DSSSPKSCAS QDSSAFSPSS DSLLSSTESS PQGSPEPLVL  
 HEETPPTTSS DSEEEQEDEE EIDVVSVEKR QAPGKRSESG SPSAGGHSKP PHSPLVLKRC  
 HVSTHQHNYA APPSTRKDYP AAKRVKLDV SVLRLQISNNR KCTSPRSSDT EENVKRRTHN  
 VLERQRRNEL KRSFFALRDQ IPELENNEKA PKVVILKKAT AYILSVQAE QKLISEEDLL  
 RKRREQLKHK LEQLRNCA

Characteristics: Recombinant full-length human Myc proto-oncogene protein (MYC) cDNA (439 aa) constructed with a 6xHis-tag at the N-terminus was expressed in E. coli. It got purified up to 90% as determined by SDS-PAGE. Its predicted molecular weight is 52.8 kDa, but the observed is about 60 kDa. Posttranslational modification results in the higher actual molecular weight.

## Product Details

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Purity: Greater than 90% as determined by SDS-PAGE.

## Target Details

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Target: c-MYC (MYC)

Abstract: [MYC Products](#)

Background: Synonyms: Class E basic helix-loop-helix protein 39,bHLHe39,Proto-oncogene c-Myc,Transcription factor p64  
MYC is an oncoprotein that plays a central role in almost the whole oncogenic process, orchestrating proliferation, apoptosis, differentiation, and metabolism. As a transcription factor, MYC regulates transcription of numerous specific target genes that are involved in distinct cellular functions, such as cell cycle, protein biosynthesis, cell adhesion and cytoskeleton, metabolism, signal transduction, transcription, and translation. Aberrations in MYC protein, including mutations, overexpression, rearrangement, and translocation, have been linked to various hematopoietic tumors, leukemias, and lymphomas.

Molecular Weight: 52.8 kDa

UniProt: [P01106](#)

Pathways: [p53 Signaling](#), [Cell Division Cycle](#), [Sensory Perception of Sound](#), [Transition Metal Ion Homeostasis](#), [Mitotic G1-G1/S Phases](#), [Positive Regulation of Endopeptidase Activity](#), [Regulation of Carbohydrate Metabolic Process](#), [Positive Regulation of Response to DNA Damage Stimulus](#), [Warburg Effect](#)

## Application Details

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Application Notes: This MYC protein may find uses on specific antibody production, iPS generation mechanism mediated by human MYC in vitro, or related signaling transduction.

Comment: Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0

## Handling

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mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

Buffer: If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Storage: -20 °C/-80 °C

Storage Comment: Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

## Publications

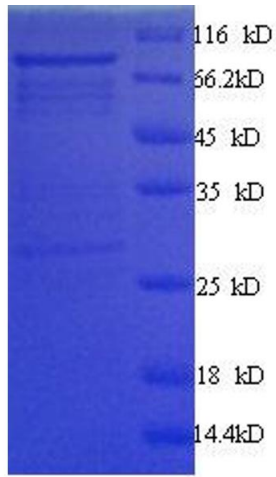
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Product cited in: Lenz, Herten, Gerzer, Drummer: "Regulation of natriuretic peptide (urodilatin) release in a human kidney cell line." in: **Kidney international**, Vol. 55, Issue 1, pp. 91-9, (1999) ([PubMed](#)).

Klodt, Kuhn, Marx, Martin, Rösch, Forssmann, Adermann: "Synthesis, biological activity and isomerism of guanylate cyclase C-activating peptides guanylin and uroguanylin." in: **The journal of peptide research : official journal of the American Peptide Society**, Vol. 50, Issue 3, pp. 222-30, (1998) ([PubMed](#)).

Marx, Klodt, Meyer, Gerlach, Rösch, Forssmann, Adermann: "One peptide, two topologies: structure and interconversion dynamics of human uroguanylin isomers." in: **The journal of peptide research : official journal of the American Peptide Society**, Vol. 52, Issue 3, pp. 229-40, (1998) ([PubMed](#)).

Hess, Kuhn, Schulz-Knappe, Raida, Fuchs, Klodt, Adermann, Kaever, Cetin, Forssmann: "GCAP-II: isolation and characterization of the circulating form of human uroguanylin." in: **FEBS letters**, Vol. 374, Issue 1, pp. 34-8, (1995) ([PubMed](#)).



### SDS-PAGE

Image 1.