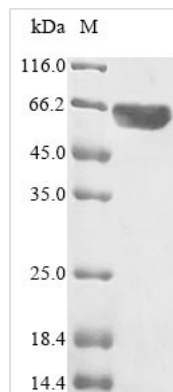




# Recombinant Human Myc proto-oncogene protein (MYC)

<b>Product Code</b>	CSB-EP015270HU
<b>Abbreviation</b>	Recombinant Human MYC protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P01106-1
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MPLNVSFTNR NYDLDYDSVQ PYFYCDEEEN FYQQQQQSEL QPPAPSEDIW KKFELLPTTP LSPSRRSGLC SPSYVAVTPF SLRGDNDGGG GSFSTADQLE MVTELLGGDM VNQSFICDPD DETFIKNIII QDCMWSGFSA AAKLVSEKLA SYQAARKDSG SPNPARGHSV CSTSSLYLQD LSAAASECID PSVVFPYPLN DSSSPKSCAS QDSSAFSPSS DSLLSSTESS PQGSPEPLVL HEETPPTTSS DSEEEQEDEE EIDVVSVEKR QAPGKRSESG SPSAGGHSKP PHSPLVLKRC HVSTHQHNYA APPSTRKDYP AAKRVKLDSV RVLQRQISNNR KCTSPRSSDT EENVKRRTHN VLERQRRNEL KRSFFALRDQ IPELENNEKA PKVVILKKAT AYILSVQAE E QKLISEEDLL RKRREQLKHK LEQLRNSCA
<b>Source</b>	E.coli
<b>Target Names</b>	MYC
<b>Protein Names</b>	Recommended name: Myc proto-oncogene protein Alternative name(s): Class E basic helix-loop-helix protein 39 Short name= bHLHe39 Proto-oncogene c-Myc Transcription factor p64
<b>Expression Region</b>	1-439
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	52.8 kDa
<b>Protein Length</b>	Full Length of Isoform 1
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

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. CUSABIO has a stock of this recombinant MYC protein, allowing no waiting period of product preparation. This MYC protein may find uses on specific antibody production, iPS generation mechanism mediated by human MYC in vitro, or related signaling transduction.

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.

## Shelf Life

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