

Recombinant Full-length Human MYC Protein, His-avi-tagged, Biotin Labeled

Cat. No. MYC-01HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotin Labeled recombinant Full-length Human MYC Protein (1-454aa) with His-avi-tag was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-454aa
Conjugation/Label	Biotin
Description	This gene is a proto-oncogene and encodes a nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. The encoded protein forms a heterodimer with the related transcription factor MAX. This complex binds to the E box DNA consensus sequence and regulates the transcription of specific target genes. Amplification of this gene is frequently observed in numerous human cancers. Translocations involving this gene are associated with Burkitt lymphoma and multiple myeloma in human patients. There is evidence to show that translation initiates both from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site, resulting in the production of two isoforms with distinct N-termini.
Form	Sterile PBS, pH7.4, 0.1% SKL

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Molecular Mass	53 kDa
AASequence	MHHHHHHHGLNDIFEAQKIEWHEMDFFRVVENQQPPATMPLNVSFTNRNYDL DY DSVQPYFYCDEEENFYQQQQQSELQPPAPSEDIWKKFELLPTPPLSPSRRSGLCSP SYVAVTPFSLRGDNDGGGGSFSTADQLEMVTELLGGDMVNQSFICDPDDETFIKNIII QDCMWSGFSAAAKLVSEKLASYQAARKDSGSPNPARGHSVCSTSSLYLQDLSAAA SECIDPSVVPYPLNDSSSPKSCASQDSSAFSPSSDILLSSTESSPQGSPEPLVLHE ETPPTTSSDSEEEQEDEEEIDVVSVEKRQAPGKRSESGSPSAGGHSKPPHSPLVLK RCHVSTHQHNYAAPSTRKDYPAAKRVKLDSVRVLRQISNNRKCTSPRSSDTEENV KRRTHNVLERQRRNELKRSFFALRDQIPELENNEKAPKVVLKKATAYILSVQAEEQK LISEEDLLRKRREQLKHKLEQLRNSCA
Purity	>90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	1.18 mg/mL by BCA
Labelling Efficiency	4.54 by HABA
GENE INFORMATION	
Gene Name	MYC MYC proto-oncogene, bHLH transcription factor [Homo sapiens (human)]
Official Symbol	MYC
Synonyms	MYC; MYC proto-oncogene, bHLH transcription factor; MRTL; MYCC; c-Myc; bHLHe39; myc proto-oncogene protein; avian myelocytomatosis viral oncogene homolog; class E basic helix-loop-helix protein 39; myc-related translation/localization regulatory factor; proto-oncogene c-Myc; transcription factor p64; v-myc avian

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myelocytomatosis viral oncogene homolog; v-myc myelocytomatosis viral oncogene homolog

Gene ID 4609

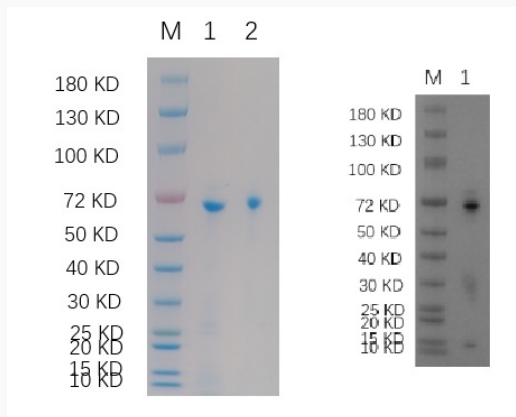
mRNA Refseq NM_002467

Protein Refseq NP_002458

MIM 190080

UniProt ID P01106

SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified MYC. 1. MYC: 1 µg 2. BSA: 1 µg

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