

Recombinant Human MYC Protein, Biotin labeled

Cat. No. MYC-05H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotin labeled recombinant Human MYC Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	350-434 aa
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.
AASequence	KCTSPRSSDTEENVKRRTHNVLERQRRNELKRSFFALRDQIPELENNEKAPKVVILK KATAYILSVQAEQKLISEEDLLRKRREQQLKHKLEQL
Molecular Mass	~13 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95% by SDS-PAGE
Storage	Store it under sterile conditions at -80 centigrade. Avoid repeated freeze-thaw cycles.
Storage Buffer	PBS, pH7.4 with 20% Glycerol
Concentration	0.684 mg/mL
Conjugation	Biotin

GENE INFORMATION

Gene Name	MYC MYC proto-oncogene, bHLH transcription factor [Homo sapiens (human)]
Official Symbol	MYC
Synonyms	MYC; v-myc myelocytomatosis viral oncogene homolog (avian); v myc avian myelocytomatosis viral oncogene homolog; myc proto-oncogene protein; bHLHe39; c Myc; proto-oncogene c-Myc; transcription factor p64; class E basic helix-loop-helix protein 39; avian myelocytomatosis viral oncogene homolog; v-myc avian myelocytomatosis viral oncogene homolog; myc-related translation/localization regulatory factor; MRTL; c-Myc
Gene ID	4609
mRNA Refseq	NM_002467
Protein Refseq	NP_002458
MIM	190080

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