

Active Recombinant Human MYC, His-tagged

Cat. No. MYC-2522H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human myc proto-oncogene protein produced in E.coli is a single non-glycosylated polypeptide with a 8His tag at the C-terminus. It contains 452 (442+10) amino acids having a predicted molecular mass of approximately 50.4kD, but migrates in SDS-PAGE with an apparent molecular mass of 60kD.
Species	Human
Source	E.coli
Description	Myc (c-Myc) is a regulator gene that codes for a transcription factor. The protein encoded by this gene is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation.
Form	20mM Tris-Cl (pH7.9), 20% Glycerol, 100mM NaCl, 1mM DTT and 0.5mM EDTA
Bio-activity	c-Myc protein is a multi-functional protein involved in cell cycle progression, apoptosis, cellular transformation and transcriptional regulation. Recombinant c-Myc protein is ideal for the studies of protein-protein interactions and other related function assays.
AA Sequence	MAS MPLNVSFTNRNYDL DYDSVQPYFYCDEEENFYQQQQQSELQPPAPSEDIWKK FELLPTPPLSPSRRSGLCS PSYVAVTPFSLRGDNDGGGGSFSTADQLEMVTELLGG DMVNQSFICDPDDETFIKNIIIQDCMWSGFSAAKLV SEKLASYQAARKDSGSPNPA RGHSVCSTSSLYLQDLSAAASECIDPSVVFYPLNDSSSPKSCASQDSSAFSP SSD SLLSSTESSPQGSPEPLVLHEETPPTTSSDSEEEQEDEEEEIDVVSVEKRQAPGKRSE

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SGSPSAGGHSKPPH SPLVLKRCHVSTHQHNYAAPPSTRKDYPAAKRVKLDsvrvl
 RQISNNRKCTSPRSSDTEENVKRRTHNVLERQ RRNELKRSFFALRDQIPELENNEK
 APKVVILKKATAYILSVQAEEQKLISEEDLLRKRREQLKHKLEQLRNSCA LEHHHHHH
 HH

Purity ≥90%, as determined by SDS-PAGE

Usage FOR RESEARCH ONLY

Storage The protein sample can be stored under sterile conditions at 2- 8 centigrade for one month or at -70 centigrade for three months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name MYC v-myc avian myelocytomatosis viral oncogene homolog [Homo sapiens]

Official Symbol MYC

Synonyms 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 myelocytomatosis viral oncogene homolog

Gene ID 4609

mRNA Refseq NM_002467

Protein Refseq NP_002458

MIM 190080

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UniProt ID	P01106
Chromosome Location	8q24.21
Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Apoptosis, organism-specific biosystem
Function	DNA binding; E-box binding; protein binding

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