

Recombinant Human MYC protein, MYC/DDK-tagged

Cat. No. MYC-26H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYC fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	<p>The protein encoded by this gene is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. It functions as a transcription factor that regulates transcription of specific target genes. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma. There is evidence to show that alternative translation initiations from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site result in the production of two isoforms with distinct N-termini. The synthesis of non-AUG initiated protein is suppressed in Burkitt's lymphomas, suggesting its importance in the normal function of this gene.</p>
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	50.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

 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

GENE INFORMATION

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

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

UniProt ID P01106

Chromosome Location 8q24

Pathway Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Apoptosis, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; C-MYB transcription factor network, organism-specific biosystem; C-MYC pathway, organism-specific biosystem;

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Function

DNA binding; DNA binding; E-box binding; protein binding; protein complex binding; repressing transcription factor binding; sequence-specific DNA binding transcription factor activity; transcription factor binding;

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