

# Recombinant Human MYC Protein, MYC/DDK-tagged, C13 and N15-labeled

**Cat. No.** MYC-060H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | MYC MS Standard C13 and N15-labeled recombinant protein (NP_002458) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | HEK293   |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 50.5 kDa   |
| <b>AA Sequence</b>      | Tags(s)LDFFRVVENQQPPATMPLNVSFTNRNYDLDYDSVQPYFYCDEEENFYQQQ<br>QQSELQPPAPSEDIWKKFELLPTPPLSPSRRSGLCSPSYVAVTPFSLRGDNDGGGG<br>SFSTADQLEMVTELLGGDMVNQSFICDPDDETFIKNIIQDCMWSGFSAAKLVSEKL  |

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ASYQAARKDSGSPNPARGHSVCSTSSLYLQDLSAAAASECIDPSVVFYPLNDSSSP  
 KSCASQDSSAFSPSSDLSLSTESSPQGSPEPLVLHEETPPTTSSDSEEEQEDEEEI  
 DVVSVEKRQAPGKRSESGSPSAGGHSKPPHSPLVLKRCHVSTHQHNYAAPSTRK  
 DYPAAKRVKLDsvrvlrqisnnrkctsprssdteenvkrrthnvlrqrrelkrs  
 FFALRDQIPELENNEKAPKVILKKATAYILSVQAEQKLISEEDLLRKRREQLKHKLE  
 QLRNSCATRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## 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; bHLHe39; c-Myc; MRTL; MYCC; 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 myelocytomatosis viral oncogene homolog; v-myc myelocytomatosis viral oncogene homolog;

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**Gene ID** 4609

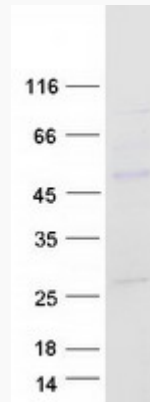
**mRNA Refseq** NM\_002467

**Protein Refseq** NP\_002458

**MIM** 190080

**UniProt ID** P01106

**SDS-PAGE**



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