

## Recombinant Mouse Myc, Arg-tagged

Cat. No. Myc-71M Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Mouse c-Myc-polyR is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Ala439) of Mouse c-Myc fused with a poly-Arginine tag at the C-terminus.  |
| <b>Species</b>          | Mouse   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | 1-439 a.a.  |
| <b>AA Sequence</b>      | MPLNVNFTNRNYDLDYDSVQPYFICDEEENFYHQQQQSELQPPAPSEDIWKKFELL<br>PTPPLSPSR RSGLCSPSYVAVATSFSPREDDDDGGGGNFSTADQLEMMTELLGGDM<br>VNQSFICDPDDETFIKNII IQDCMWSGFSAAKLVSEKLASYQAARKDSTSLSPARG<br>HSVCSTSSLYLQDLTAAASECIDPSVV FPYPLNDSSSPKSCSTSSDSTAFSPSSDSL<br>SSESSPRASPEPLVLHEETPPTTSSDSEEEQEDEE EIDVVSVEKRQTPAKRSESGS<br>SPSRGHSKPPHSPLVLKRCHVSTHQHNYAAPPSTRKDYPAAKRA KLDSGRVLKQIS<br>NNRKCSSPRSSDTEENDKRRTHNVLERQRRNELKRSFFALRDQIPELENNEKA PKV<br>VILKKATAYILSIQADEHKLKLTSEKDLLRKRREQLKHKLEQLRNSGA |
| <b>Endotoxin</b>        | Less than 0.1 ng/μg (1 IEU/μg).   |
| <b>Purity</b>           | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.   |

### GENE INFORMATION

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

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|------------------------|---|
| <b>Gene Name</b>       | Myc myelocytomatosis oncogene [ <i>Mus musculus</i> ]   |
| <b>Official Symbol</b> | Myc   |
| <b>Synonyms</b>        | MYC; myelocytomatosis oncogene; myc proto-oncogene protein; c-myc proto-oncogene; transcription factor p64; Myc2; Nird; Niard; bHLHe39; AU016757;   |
| <b>Gene ID</b>         | 17869   |
| <b>mRNA Refseq</b>     | NM_001177352  |
| <b>Protein Refseq</b>  | NP_001170823  |
| <b>Pathway</b>         | Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Apoptosis, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem;  |
| <b>Function</b>        | DNA binding; DNA binding; E-box binding; double-stranded DNA binding; protein binding; protein complex binding; protein heterodimerization activity; repressing transcription factor binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription factor binding; |

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