



# Recombinant *Macaca mulatta* (Rhesus macaque) Myc proto-oncogene protein (MYC)

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| <b>Product Code</b>      | CSB-BP015270MOW   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | B8XIA5  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | <i>Macaca mulatta</i> (Rhesus macaque)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MPLNVSFTNR NYDLDYDSVQ PYFYCDEEEN FYQQQQQSEL QPPAPSEDIW<br>KKFELLPTTP LSPSRRSGLC SPSYVAVTPF SPRGDNDGGG GSFSTADQLE<br>MVTELLGGDM VNQSFICDPD DETFIKNIII QDCMWSGFSA AAKLVSEKLA<br>SYQAARKDSG SPNPARGHSV CSTSSLYLQD LSAAASECID PSVVFYPLN<br>DSSSPKSCAS PDSSAFSPSS DSLLSSTESS PQASPEPLVL HEETPPTTSS<br>DSEEEQEEEE EIDVVSVEKR QAPGKRSESG SPSAGGHSKP PHSPLVLKRC<br>HVSTHQHNYA APPSTRKDYP AAKRVKLDV RVLQRISNNR KCTSPRSSDT<br>EENDKRRTHN VLERQRNEL KRSFFALRDQ IPELENNEKA PKVVILKKAT<br>AYILSVQAEQ QKLISEKDLL RKRREQLKHK LEQLRNSCA   |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | MYC   |
| <b>Protein Names</b>     | Recommended name: Myc proto-oncogene protein Alternative name(s): Proto-oncogene c-Myc Transcription factor p64   |
| <b>Expression Region</b> | 1-439   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full length protein   |
| <b>Target Details</b>    | This protein 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. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a  |



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.