



# Recombinant Rat Myc proto-oncogene protein (Myc)

<b>Product Code</b>	CSB-YP015270RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P09416
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MPLNVSFANR NYDLDYDSVQ PYFICDEEEN FYHQQQQSEL QPPAPSEDIW KKFELLPTTP LSPSRRLGLC SPSYVAVATS FSPREDDDGG GGNFSTADQL EMMTELLGGD MVNQSFICDP DDETFIKNII IQDCMWSGFS AAKLVSEKL ASYQAARKDS TSLSPARGHS VCSTSSLYLQ DLTAASECI DPSVVFYPL NDSSSPKSCT SSDSTAFSSS SDSLLSSESS PRATPEPLVL HEETPPTTSS DSEEEQDDEE EIDVVSVEKR QPPAKRSESG SSPSRGHSKP PHSPLVLKRC HVSTHQHNYA APPSTRKDYP AAKRAKLD SG RVLKQISNNR KCSSPRSSDT EENDKRRTHN VLERQRNEL KRSFFALRDQ IPELENNEKA PKVVILKKAT AYILSVQADE HKLISEKDLL RKRREQLKHK LEQLRNSGA
<b>Source</b>	Yeast
<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.

### 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.