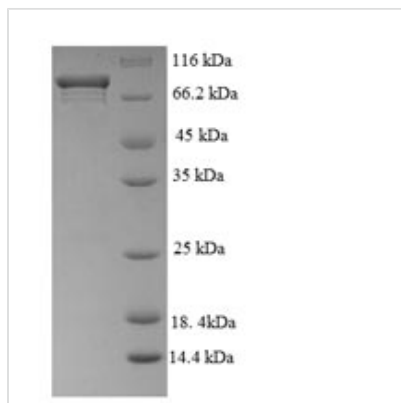




Recombinant Mouse Myc proto-oncogene protein (Myc), partial

| | |
|--------------------------|---|
| Product Code | CSB-EP015270MO |
| Relevance | Transcription factor that binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3'. Activates the transcription of growth-related genes. |
| Abbreviation | Recombinant Mouse Myc protein, partial |
| Storage | 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. |
| Uniprot No. | P01108 |
| Product Type | Recombinant Proteins |
| Immunogen Species | Mus musculus (Mouse) |
| Purity | Greater than 90% as determined by SDS-PAGE. |
| Sequence | MPLNVNFTNRNYDL DYDSVQPYFICDEEENFYHQQQQSELQPPAPSEDIWKK FELLPTPLSPSRRSGLCSPSYVAVATSFSPREDDDDGGGGNFSTADQLEMMT ELLGGDMVNQSFICDPDDETFIKNIIQDCMWSGFSAAAKLVSEKLASYQAARK DSTSLSPARGHSVCSTSSLYLQDLTAAASECIDPSVVPYPLNDSSSPKSCTSS DSTAFSPSSDSSLSESSPRASPEPLVLHEETPPTTSSDSEEEQEDEEEIDVVS VEKRQTPAKRSESGSSPSRGHSPPHSPLVLKRCHVSTHQHNYAAPPSTRKD YPAAKRAKLDGRVLKQISNNRKCSSPRSSDTEENDKRRTHNVLERQRRNEL KRSFFALRDQIPELENNEKAPKVVLKATAYILSIQADEHKLTSEKDLLRKRRE QLKHKLEQLRNSGA |
| Research Area | Others |
| Source | E.coli |
| Target Names | Myc |
| Expression Region | 16-454aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal GST-tagged |
| Mol. Weight | 76.0kDa |
| Protein Length | Partial |
| Image | |



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Amino acids 1-439 form the expressed segment for recombinant Mouse Myc. This Myc protein is expected to have a theoretical molecular weight of 76 kDa. Expression of this Myc protein is conducted in e.coli. The Myc gene fragment has been modified by fusing the N-terminal GST tag, providing convenience in detecting and purifying the recombinant Myc protein during the following stages.

The Myc proto-oncogene protein, commonly referred to as c-Myc, is a transcription factor encoded by the Myc gene. It is a crucial regulator of cell growth, proliferation, and apoptosis. c-Myc plays a central role in various cellular processes by controlling the expression of a wide range of target genes involved in cell cycle progression, metabolism, and differentiation. Dysregulation of c-Myc is implicated in the development of numerous cancers. Research on the mouse Myc proto-oncogene protein spans cancer biology, cell signaling, and developmental biology. Understanding the intricate mechanisms governing c-Myc function provides valuable insights into the molecular basis of cancer and potential therapeutic interventions.

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.