

c-Myc Protein, Human, Recombinant (His)

General Information

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| Synonyms: | Class E basic helix-loop-helix protein 39 (bHLHe39);BHLHE39;Transcription factor p64;MYC; Proto-oncogene c-Myc;Myc proto-oncogene protein |
| Protein Construction: | 1-439 |
| Species: | Human |
| Expression Host: | E. coli |
| Accession: | P01106 |
| Molecular Weight: | 52.8 kDa (predicted) |
| AA Sequence: | MPLNVSFTNR NYDLDYDSVQ PYFYCDEEEN FYQQQQQSEL QPPAPSEDIW KKFELLPTPP LSPSRRSGLC SPSYVAVTPF SLRGDNDGGG GSFSTADQLE MVTELLGGDM VNQSFICDPD DETFIKNIII QDCMWSGFSA AAKLVSEKLA SYQAARKDSG SPNPARGHSV CSTSSLYLQD LSAAASECID PSVVFPYPLN DSSSPKSCAS QDSSAFSPSS DSLLSSTESS PQGSPEPLVL HEETPPTSS DSEEEQEDEE EIDVVSVEKR QAPGKRSESG SPSAGGHSKP PHSPLVLKRC HVSTHQHNYA APPSTRKDYP AAKRVKLDV RVLQRISNNR KCTSPRSSDT EENVKRRTHN VLERQRRNEL KRSFFALRDQ IPELENNEKA PKVVILKKAT AYILSVQAE QKLISEEDLL RKRREQLKHK LEQLRNCSA |

QC Testing

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| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity: | > 90% as determined by SDS-PAGE. |
| Endotoxin: | < 1.0 EU/μg of the protein as determined by the LAL method. |
| Formulation: | Tris-based buffer. |

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

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. Binds to the VEGFA promoter, promoting VEGFA production and subsequent sprouting angiogenesis. Regulator of somatic reprogramming, controls self-renewal of embryonic stem cells. Functions with TAF6L to activate target gene expression through RNA polymerase II pause release.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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