

Recombinant Human c-Myc/MYC Protein

Catalog No.: RP03289LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	4609	P01106-1

Tags

N-GST

Synonyms

c-Myc; MYC; BHLHE39; Myc proto-oncogene protein; Class E basic helix-loop-helix protein 39; Proto-oncogene c-Myc; MYCC; MRTL

Product Information

Source	Purification
Baculovirus-Insect Cells	> 80% by SDS-PAGE.

Calculated MW	Observed MW
76 kDa	80-95 kDa

Endotoxin

Please contact us for more information.

Formulation

Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH 7.5, 50-300 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25-1.0 mM DTT, 0-0.1 mM PMSF, 10-25% glycerol. Contact us for customized product form or formulation.

Reconstitution

Contact

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Background

Myc is a family of regulator genes and proto-oncogenes that code for transcription factors. The Myc family consists of three related human genes: c-myc (MYC), l-myc (MYCL), and n-myc (MYCN). c-myc (also sometimes referred to as MYC) was the first gene to be discovered in this family, due to homology with the viral gene v-myc. In cancer, c-myc is often constitutively (persistently) expressed. This leads to the increased expression of many genes, some of which are involved in cell proliferation, contributing to the formation of cancer. A common human translocation involving c-myc is critical to the development of most cases of Burkitt lymphoma. Constitutive upregulation of Myc genes have also been observed in carcinoma of the cervix, colon, breast, lung and stomach. c-Myc also plays an important role in stem cell biology and was one of the original Yamanaka factors used to reprogram somatic cells into induced pluripotent stem cells.

Basic Information

Description

Recombinant Human c-Myc/MYC Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met1-Ala439) of human c-Myc/MYC (Accession #P01106-1) fused with GST tag at the N-terminus.

Bio-Activity

Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.

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