

Recombinant Full Length Human MYC Protein, GST-tagged

Cat. No. MYC-6727HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human MYC full-length ORF (ENSP00000259523, 1 a.a. - 439 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	439 amino acids
Description	The protein encoded by this gene 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 Burkitts lymphomas, suggesting its importance in the normal function of this gene. [provided by RefSeq
Molecular Mass	75.2 kDa
AA Sequence	MPLNVSFTNRNYDLDYDSVQPYFYCDEEENFYQQQQQSELQPPAPSEDIWKKFELL PTPPLSPSRRSGLCSPSYVAVTPFSLRGDNDGGGGSFSTADQLEMVTELLGGDMV NQSFCDPDDETFIKNIIIIQDCMWSGFSAAAKLVSEKLASYQAARKDSGSPNPARGH

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SVCSTSSLYLQDLSAAASECIDPSVVPYPLNDSSSPKSCASQDSSAFSPSSDSLLS
 STESSPQGSPEPLVLHEETPPTTSSDSEEEQEDEEEIDVVSVEKRQAPGKRSESGS
 PSAGGHSKPPHSPLVLKRCHVSTHQHNYAAPSTRKDYPAAKRVKLDsvrvlrqis
 NNRKCTSPRSSDTEENVKRRTHNVLERQRRNELKRSFFALRDQIPELENNEKAPKV
 VILKKATAYILSVQAEEQKLISEEDLLRKRREQLKHKLEQLRNSCA

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [MYC v-myc myelocytomatosis viral oncogene homolog \(avian\) \[Homo sapiens \]](#)

Official Symbol [MYC](#)

Synonyms MYC; v-myc myelocytomatosis viral oncogene homolog (avian); v myc avian myelocytomatosis viral oncogene homolog; myc proto-oncogene protein; bHLHe39; c Myc; proto-oncogene c-Myc; transcription factor p64; class E basic helix-loop-helix protein 39; avian myelocytomatosis viral oncogene homolog; v-myc avian myelocytomatosis viral oncogene homolog; myc-related translation/localization regulatory factor; MRTL; c-Myc;

Gene ID [4609](#)

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mRNA Refseq	NM_002467
Protein Refseq	NP_002458
MIM	190080
UniProt ID	P01106

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