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MYC Human

Catalog #:PRPS-094

For research use only.

Description: Myc Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 439 amino acids and having a molecular mass of 48.8kDa.The Myc is fused to a C-terminal poly-arginine tag and purified by proprietary chromatographic techniques.

Synonyms:MYC, CMYC, C-MYS, V-MYC, P64.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence: The sequence of the first five N-terminal amino acids was determined and was found to be Met-Pro-Leu-Asn-Val.

Purity: Greater than 95.0% as determined by:(a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.

Formulation:
Myc was lyophilized after extensive dialysis against PBS.

Stability:
Lyophilized Myc althoμgh stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Myc should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:
It is recommended to reconstitute the lyophilized Myc in sterile PBS not less than 100

Introduction:
c-Myc 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 c-Myc 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, sμggesting its importance in the normal function of this gene.

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