

Product Information

MemDX™ Membrane Protein Rat Myc (MYC proto-oncogene, bHLH transcription factor) for Antibody Discovery

Cat. No.: **MP1523J**

This product is for research use only and is not intended for diagnostic use.

This product is Rat Myc membrane protein expressed in Yeast, *E.coli*, In Vivo Biotinylation, Baculovirus, or Mammalian cell. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Rat

Target Protein

Myc

Protein Length

Full length

Protein Class

Drug Target

Sequence

MPLNVSFANR NYDLDYDSVQ PYFICDEEEN FYHQQQQSEL QPPAPSEDIW KKFELLPTTP LSPSRRSGLC
SPSYVAVATS FSPREDDDGG GGNFSTADQL EMMTELLGGD MVNQSFICDP DDETFIKNII IQDCMWSGFS
AAAKLVSEKL ASYQAARKDS TSLSPARGHS VCSTSSLYLQ DLTAASECI DPSVVFPYPL NDSSSPKSCT
SSDSTAFSSS SDSLLSSESS PRATPEPLVL HEETPPTTSS DSEEEQDDEE EIDVVSVEKR QPPAKRSESG
SSPSRGHSPK PHSPPLVKRC HVSTHQHNYA APPSTRKDYP AAKRAKLDSG RVLKQISNNR KCSSPRSSDT
EENDKRRTHN VLERQRRNEL KRSFFALRDQ IPELENNEKA PKVVILKKAT AYILSVQADE HKLISEKDLL
RKRRREQLKHK LEQLRNSGA

Product Description

Expression Systems

Yeast

E.coli

In Vivo Biotinylation in *E.coli*

Baculovirus

Mammalian cell

Tag

N-His or Tag-Free

Form

Lyophilized powder

Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration).

Purity

>85% as determined by SDS-PAGE

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

Myc

Full Name

MYC proto-oncogene, bHLH transcription factor

Introduction

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.

Alternative Names

Myc; Myc proto-oncogene protein; Proto-oncogene c-Myc; Transcription factor p64; mMyc; c-myc; RNCMYC; Avian myelocytomatosis viral (v-myc) oncogene homolog; myelocytomatosis oncogene; myelocytomatosis viral oncogene homolog; proto-oncogene c-Myc; transcription factor p64; v-myc avian myelocytomatosis viral oncogene homolog

Gene ID

[24577](#)

UniProt ID

[P09416](#)