

Resource Summary Report

Generated by [NIF](#) on Aug 3, 2026

pD40-His/V5-c-MycS62A

RRID:Addgene_45599

Type: Plasmid

Proper Citation

RRID:Addgene_45599

Plasmid Information

URL: <http://www.addgene.org/45599>

Proper Citation: RRID:Addgene_45599

Insert Name: c-Myc S62A

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15048125](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:7143; Vector Backbone:pcDNA DEST40; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Alternate plasmid names: pD40-His-c-MycS62A; pcDNA-DEST40 Myc S62A
Plasmid construction information: Point mutations were introduced into the murine c-Myc sequence in the CMV-Myc plasmid (Hann et al., Genes Dev. 1994, PMID: 7958908) using the GeneEditor kit (Promega) per manufacturer's instructions using oligonucleotide MycS62A, 5'-CACCCCGCCCCCTGGCCCCGAGC-3'. The His6-tagged c-MycS62A plasmid was then created by PCR amplification with a CACC 5' extension added to the 5' primer for cloning into the TOPO entry clone from Invitrogen (Carlsbad, CA). This sequence was then moved into the pDEST-40 mammalian expression vector using Gateway technology (Invitrogen), creating pD40-His-c-MycS62A. For more plasmid information (map and sequence), see the wildtype version, pD40-His/V5-c-Myc (Addgene plasmid 45597) For additional usage information, see the associated article (Yeh et al. Nat Cell Biol. 2004) as well as Arnold et al. EMBO 2009 (PMID: 19131971).

Plasmid Name: pD40-His/V5-c-MycS62A

Relevant Mutation: S62A

Record Creation Time: 20220422T222235+0000

Record Last Update: 20260801T081330+0000

Ratings and Alerts

No rating or validation information has been found for pD40-His/V5-c-MycS62A.

No alerts have been found for pD40-His/V5-c-MycS62A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Bajpai S, et al. (2022) Ubiquitylation of unphosphorylated c-myc by novel E3 ligase SCFFbxl8. Cancer biology & therapy, 23(1), 348.

Gomes LR, et al. (2017) Chaperone-mediated autophagy prevents cellular transformation by regulating MYC proteasomal degradation. Autophagy, 13(5), 928.