

Product datasheet for MR201762

Myct1 (NM_026793) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myct1 (NM_026793) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Myct1
Synonyms: 1110020B04Rik; AI225941; AI642973; Mtmc1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201762 representing NM_026793
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTAATAACACCACGAGCTTAGGGAGTCCTGGCCAGAAAACTTTTGGGAGGACCTATAATGTCTCT
TCACCGTATCCGTGGCGATTGGGCTTGCATCGGAGGATTTCTCTGGGCGCTGTTCTGTTTTCTGTCTCG
AAGAAGAAGAGCCAGTGCACCCATTTCCGAGTGGAGTCCCACCAGGAGACCCAGGTCTTCTACAACCAC
GGCCTCAACAGGACTGGGTTCTACGCCACAGTGGCTATGAACGGCGAAGCAACCTCAGCCTGGCCAGCC
TCACTTTCCAGAGACAAGCTTCCATGGAGCTGGTCAACTCCTTCCAAGGAAATCAAGCTTAGGGCTTC
GACTTTCCATCCCTTCTGCAATGCCACCACTCCGGTGGAAACGGAGAGTCAGCTGATGACCCTGTCT
GCCTCCACCACCCCTTCCACCCTCAGCACCCGACACAGCCCGAGCCGCCAGACTCCGCTGGTCCAGCA
ACAGCTTGGGATGGGCCTTCCACACCCGCCCCACCTGCCTATGAATCCATCATAAAGGCATTTCCCGA
TTCC

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201762 representing NM_026793
 Red=Cloning site Green=Tags(s)

MANNTTSLGSPWPFNFWEDLIMSFTVSVAIGLAIGGFLWALFVFLSRRRRASAPISQWSPTRRRPSSYNH
GLNRTGFYRHSGYERRSNLNLASLTFQRQASMELVNSFPRKSSFRASFTFHPFLQCPPLPVETESQLMTLS
ASTTPSTLSTAHSRPFDFRWSSNSLRMGLSTPPPPAYESIIFKAFDPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mm9025_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026793

ORF Size: 564 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_026793.2](#), [NP_081069.1](#)

RefSeq Size: 2792 bp

RefSeq ORF: 567 bp

Locus ID: 68632

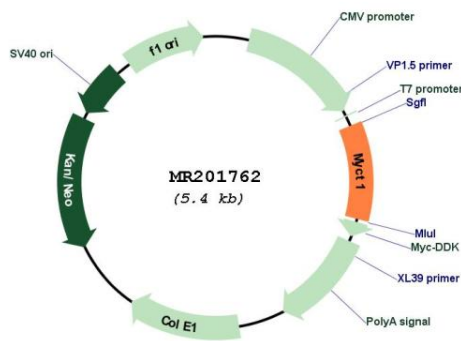
UniProt ID: [Q8R411](#)

Cytogenetics: 10 A1

MW: 21.5 kDa

Gene Summary: May regulate certain MYC target genes, MYC seems to be a direct upstream transcriptional activator. Does not seem to significantly affect growth cell capacity. Overexpression seems to mediate many of the known phenotypic features associated with MYC, including promotion of apoptosis, alteration of morphology, enhancement of anchorage-independent growth, tumorigenic conversion, promotion of genomic instability and inhibition of hematopoietic differentiation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201762