

Product datasheet for **MC210767**

Myct1 (NM_026793) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myct1 (NM_026793) Mouse Untagged Clone
Tag: Tag Free
Symbol: Myct1
Synonyms: 1110020B04Rik; AI225941; AI642973; Mtmc1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210767 representing NM_026793
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTAATAACACCACGAGCTTAGGGAGTCCTTGCCAGAAAACCTTTGGGAGGACCTTATAATGTCCT
TCACCGTATCCGTGGCGATTGGCTTGAATCGGAGGATTTCTCTGGGCGCTGTTCTGTTTTCTGTCTCG
AAGAAGAAGAGCCAGTGCACCCATTTTCGAGTGGAGTCCACAGGAGACCCAGGTCTTCTACAACCAC
GGCTCAACAGGACTGGGTTCTACCGCCACAGTGGCTATGAACGGCGAAGCAACCTCAGCCTGGCCAGCC
TCACTTTCCAGAGACAAGCTTCCATGGAGCTGGTCAACTCCTTCCAAGGAAATCAAGCTTTAGGGCTTC
GACTTTCCATCCCTTCTGCAATGCCACCACTTCCGGTGGAAACGGAGAGTCACTGATGACCCTGTCT
GCCTCCACCACCCCTTCCACCCTCAGCACCCGACACAGCCCGAGCCGCGCCAGACTTCCGCTGGTCCAGCA
ACAGCTTGGCGATGGGCCTTTCCACACCCGCCCCCACTGCCTATGAATCCATCATAAAGGCATTTCCCGA
TTCC**TGA**

ACGCGTACGCGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_026793
Insert Size: 567 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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:	<ol style="list-style-type: none">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:	<u>NM_026793.2</u> , <u>NP_081069.1</u>
RefSeq Size:	2792 bp
RefSeq ORF:	567 bp
Locus ID:	68632
UniProt ID:	<u>Q8R411</u>
Cytogenetics:	10 A1
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]