

## Product datasheet for SC305235

### MYCT1 (NM\_025107) Human Untagged Clone

#### Product data:

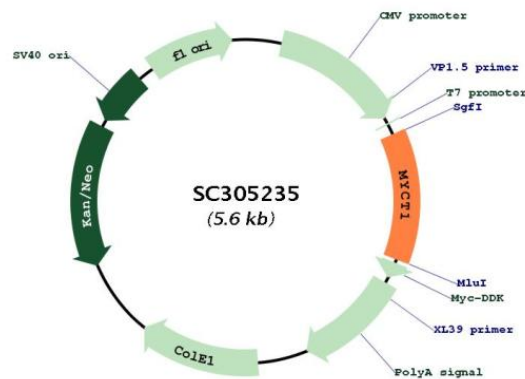
Product Type:	Expression Plasmids
Product Name:	MYCT1 (NM_025107) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYCT1
Synonyms:	MTLC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305235 representing NM_025107. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGAACACAAGTATATGAGGGTTGTGTAATAAATTATTTTTCTCTTGCTGACTACAAAGAGATAGA
ATCAAAGTCTTTTTTCGACATACTGGTTTTCTTTCTGTTTTCTTCTCTTTCTTCTATTTCTTG
GATATTATGGCTAATAACACAACAAGTTTAGGGAGTCCATGGCCAGAAAACCTTTGGGAGGACCTTATC
ATGTCCTCACTGTATCCATGGCAATCGGGCTGGTACTGGAGGATTTATTTGGGCTGTGTTTCAATTTGT
CTGTCTCGAAGAAGAAGAGCCAGTGTCCCATCTCACAGTGGAGTTCAAGCAGGAGATCTAGGTCTTCT
TACACCCACGGCCTCAACAGAAGTGGATTTTACCGCCACAGTGGCTGTGAACGTCGAAGCAACCTCAGC
CTGGCCAGTCTCACCTTCCAGCGACAAGCTTCCCTGGAACAAGCAAATTCCTTTCCAAGAAAATCAAGT
TTCAGAGCTTCTACTTTCCATCCCTTTCTGCAATGTCCACCACTTCTGTGAAACTGAGAGTCAGCTG
GTGACTCTCCCTTCTTCCAATATCTCTCCACCATCAGCACTTCCACAGTCTGAGCCGCTCTGACTAC
TGGTCCAGTAACAGTCTTCGAGTGGCCTTTCAACACCGCCCCACCTGCCTATGAGTCCATCATCAAG
GCATTCAGATTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_025107

**Insert Size:** 708 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_025107.2](#)

RefSeq Size: 3066 bp

RefSeq ORF: 708 bp

Locus ID: 80177

UniProt ID: [Q8N699](#)

Cytogenetics: 6q25.2

Protein Families: Transmembrane

MW: 26.6 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 (By similarity).[UniProtKB/Swiss-Prot Function]