

Product datasheet for RC220258L3

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

OriGene Technologies, Inc.

MYCT1 (NM_025107) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: MYCT1 (NM_025107) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: MYCT1

Synonyms: MTLC

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC220258).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_025107

ORF Size: 705 bp



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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: <u>NM 025107.1</u>, <u>NP 079383.2</u>

 RefSeq Size:
 1095 bp

 RefSeq ORF:
 708 bp

 Locus ID:
 80177

 UniProt ID:
 Q8N699

 Cytogenetics:
 6q25.2

Protein Families: Transmembrane

MW: 26.4 kDa

Gene Summary: May regulate certain MYC target genes, MYC seems to be a direct upstream transcriptional

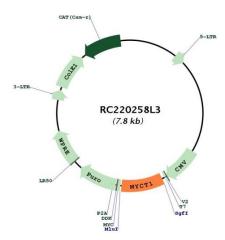
activator. Does not seem to significantly affect growth cell capacity. Overexpression seems to mediate many of the known phenotypic features associated with MYC, including promotion of apoptosis, alteration of morphology, enhancement of anchorage-independent growth,

tumorigenic conversion, promotion of genomic instability, and inhibition of hematopoietic

differentiation (By similarity).[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for RC220258L3