

Product datasheet for RR211117L4

Mylk3 (NM_001110810) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Mylk3 (NM_001110810) Rat Tagged Lenti ORF Clone

Tag: mGFP Symbol: Mylk3

Synonyms: MLCK; RGD1305801

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RR211117).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001110810

ORF Size: 2358 bp



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



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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 001110810.1</u>, <u>NP 001104280.1</u>

 RefSeq Size:
 2732 bp

 RefSeq ORF:
 2361 bp

 Locus ID:
 291926

 UniProt ID:
 E9PT87

 Cytogenetics:
 19q11

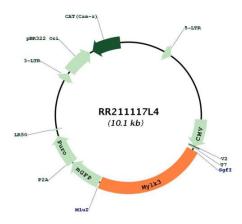
Gene Summary: Calmodulin-dependent kinase that phosphorylates MYL2 in vitro. Promotes sarcomere

formation in cardiomyocytes. Increases cardiomyocyte contractility.[UniProtKB/Swiss-Prot

Function]



Product images:



Circular map for RR211117L4