

Product datasheet for RR202368

Prm3 (NM_001002855) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Prm3 (NM_001002855) Rat Tagged ORF Clone

Tag: Myc-DDK

Symbol: Prm3

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide >RR202368 representing NM_001002855
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

AGCCAAGCCCGGAGCCCAAGCAGAAGCACTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202368 representing NM_001002855

Red=Cloning site Green=Tags(s)

MGSRCAKLSTGHGPAQNTGHSRGHESSMKKLVACVSQDNFSLSSEGEEEEEDEEDEEEEDDDEEDEEEEQ

IPVKGKLLLLEPEKQDGAEDAVAQPSPEPKQKHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



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

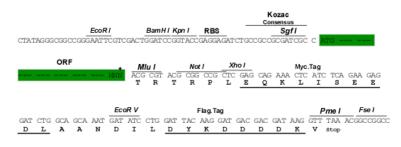
CN: techsupport@origene.cn

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



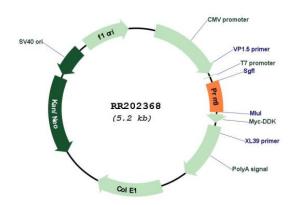
Cloning Scheme:





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

Plasmid Map:



ACCN: NM_001002855

ORF Size: 312 bp

Prm3 (NM_001002855) Rat Tagged ORF Clone - RR202368

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 001002855.2, NP 001002855.1

RefSeq Size: 515 bp
RefSeq ORF: 315 bp
Locus ID: 442921
UniProt ID: Q64256

Cytogenetics: 10q11

MW: 11.5 kDa

Gene Summary: Protamines substitute for histones in the chromatin of sperm during the haploid phase of

spermatogenesis. They compact sperm DNA into a highly condensed, stable and inactive

complex.[UniProtKB/Swiss-Prot Function]