

Product datasheet for **MR219002**

Prm3 (NM_013638) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: Myc-DDK

Symbol: Prm3

Synonyms: BC061127; PX; Pxx

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR219002 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTTCCTCGCTGTGCCAAGCTCAGCACTGGCCATGGCCAGCCAGAACACTGGTCACAGCCGTGGCC
ACGAGTCCTCCATGAAGAAGCTCGTGGCCTGTGTGAGTCAAGACAACCTTTCCCTGTATCAGAGGGCGA
GGAAGAGGAGGAGGACGAGGAAGAGGAGGAGGAAGAAGAAGAGGAAGAGGAGCAATCCCGGTG
AAGGGCAAGCTGCTGCTGGAGCCCGAAAAGCAAGAGAGCGCCGAGGATGGGGAGGCCAGCCAAGCC
CCGAGCCCAAGCAGACACTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR219002 protein sequence
Red=Cloning site Green=Tags(s)

MGSRCAKLSTGHGPAQNTGHSRGHESSMKKL VACVSQDNFSLSSGEDEEEEEEEEEEEEEEEEEEQIPV
KGKLLLLLEPEKQESAEDGEAQSPPEPKQTHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_013638

ORF Size: 303 bp

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

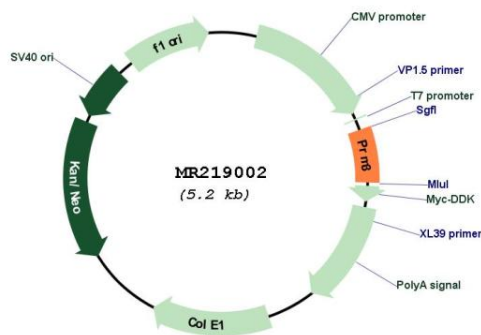
RefSeq: NM_013638.2, NP_038666.2
 RefSeq Size: 407 bp
 RefSeq ORF: 306 bp
 Locus ID: 19120
 UniProt ID: Q62100

Cytogenetics: 16 5.84 cM

MW: 11.2 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]

Product images:



Circular map for MR219002