

Product datasheet for **MR216239**

Prr23a3 (NM_028033) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Prr23a3
Synonyms:	2410012M07Rik
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR216239 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCGCACCAGGCCCGCAGCCCCAGCGCCGACCCCGCGCCCTGCTGGTCACCGCAGACACCAGCAC
CCAGCCCTGCCAAGCGCCGCCCGCTCCACCAGGAGCCCGCTGCCAGAGCCCTGGCTCAGCCCGAGTT
GGAAGCGCCCGCCGAGCCACCACTCCGTGGTGTTCCTGGCCGCCGGCTCTGCCCTGCAGTTGCCCTG
GACGGCGTCGACCTGCTGCTGGAGCCAGAGCCACCTCGTACTGCAAGTGTGCTCCAAGGACACACCA
TCCTCCTGGTCCCCGAGGGGCTCCAAGACTCCACCCATTTTGACAGCCTGGATTCTGGCCATCAGCCC
GCAGGGAGCCGCTGCCAGGACGGGCCCCAGGATCATCTAGTCGGTCTCCAGGAGGAACTTTCTGTGAG
TACTTCTACCAAGAGGATGTCTGTGATGAGGATGCAGACTTGAATTTCTGGAGCACTGGGCTAGCCCTC
CAGATGATCAGGCAATGGAACTTTCTCCATCCCAGGGTGCCAGTCCTTTGTCTCAGGACCAAGT
CCCAGGGCCTTCCACTGGAGCAGAGCAATATTCTCCTAGGTTTCATCTGGGAACTGGACATCAACATGCTG
GGACCCCTTCCCTGGCTCACCCTGCAGCCTCTGCCTCCATCTCCTTCCCGGAATCCCCAAGAGCAGCTTC
CGCCATGCCCTCCATGCTCTCCCCGGGCTCCTCGCAGGGCCCGAAGCGACTGGTCTATGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR216239 protein sequence
 Red=Cloning site Green=Tags(s)

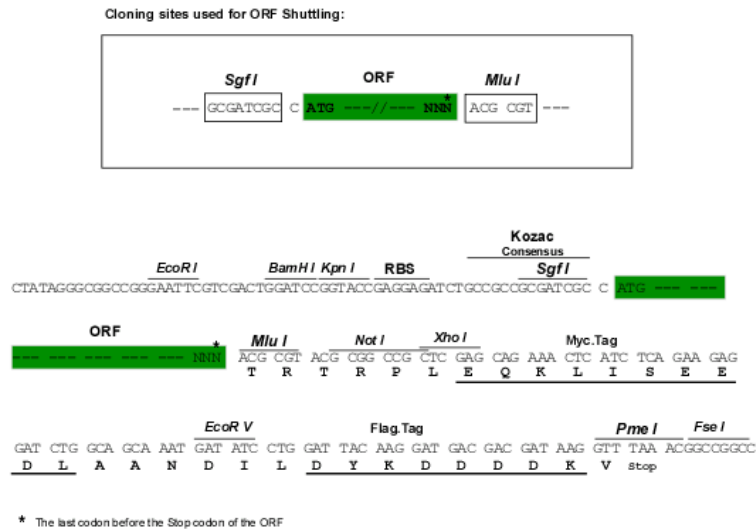
MLRTRPRSPSADPAPCWSPQTPAPSPAKRRRLHQEPACPEPLAQPELEAPAEPTTSVVFLAAGSALQLPL
 DGVDLLLEPEPTSVLQVSLQGHTILLVPEGLQDSTHFGQPGFVAISPQGAAQDGPQDHLVGLQEETFCE
 YFYQEDVCDDEDALFLEHWASPPDDQANGNSSIPGVPSPLSQDQVPGPSTGAEQYSPRFIWELDINML
 GPFPGSPLQLPPSPSRNPQEQLPCCPPSPRAPRRARKRLVYE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_028033

ORF Size:

762 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_028033.1](#), [NP_082309.1](#)

RefSeq Size: 1814 bp

RefSeq ORF: 765 bp

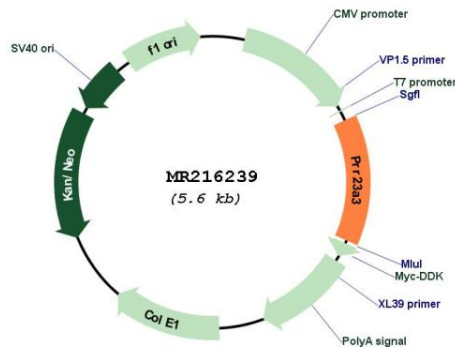
Locus ID: 71979

UniProt ID: [Q9CWP9](#)

Cytogenetics: 9 E3.3

MW: 27.6 kDa

Product images:



Circular map for MR216239