

Product datasheet for **MG212687**

Prr23a1 (NM_001134660) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prr23a1 (NM_001134660) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prr23a1
Synonyms:	EG623166; Gm6400; Prr23a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG212687 representing NM_001134660 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCGCACCAGGCCCGCAGCCCCAGCGCCAACCCCGCGCCCTGCTGGTCACCGCAGACACCAGCAC
CCAGCCCTGCCAAGCGCCGCGCCTCCACCAGGAGCCCGCTGCCAGAGCCCTGGCTCAGCCAGAGCT
GGAAGCGCCCGCAGCCCGCTAGCAGCGCGCTCACCTCCGTGGTGTTCCTGGCCCGCGCTCTGCCCTG
CAGTTGCCCTGGATGGCATCGACCTGCTGTTGGAGCCTGAGCCACCTCGGTCTGCAAGTGTCGCTCC
AAGAACACACCATCCTCCTGGTCCCGAAGGACTCATGACACAACCCAGCCAGGACAGCCTGGATTCGT
GGCCATCAGCCACAGGGAGCCGCTGCCAGGACGGGCCCCAGGATCATCTAGTCGGTCTCCAGGAGGAA
ACCTTCTGTGAGTACTTCTACCAAGAAGATGTCTGTGATGAGGATGCAGACTTGAATTGCTGGAACCT
GGGCTAGGCTCCAGATGATCAGGCAATGGGAACCTTTCCTCCATCCCAGGGGTGCCAGTCCTTTGTT
GCAGGAACAAGTCCCAGGGCCTTCCACTGGAGCAGAGCGATATTCTCCTAGGTTTATCTGGGAACGGAC
AGCTACCTGCTGGGACCCCTCCCTGGCTCACCCTGCAGCCTCTGCCTCCATCTCCTCCAGAGTCCCC
AAGAGCAGCTTCCGCCACGCCCTCATGCTCTCCCGGGCTCCTGCAAGGCCCGGAAGCGACTGGTCTA
TGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG212687 representing NM_001134660
 Red=Cloning site Green=Tags(s)

MLRTRPRSPSANPAPCWSPQTPAPSPAKRRRLHQEPACPEPLAQPELEAPAEPASSALTSVVFLAAGSAL
 QLPLDGDIDLLLEPEPTSVLQVSLQEHTILLVPEGLMTQPQPGQPGFVAISPOGAAAQDGPQDHLVGLQEE
 TFCEYFYQEDVCEDEDADLELLEPWARPDDQANGNFSSIPGVPSPLLQEQVPGPSTGAERYSPRF IWELD
 SYLLGPLPGSPLQPLPPSPSQSPQEQLPPRPPCSPRAPCKARKRLVYD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001134660

ORF Size: 774 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.

RefSeq: [NM_001134660.1](#), [NP_001128132.1](#)

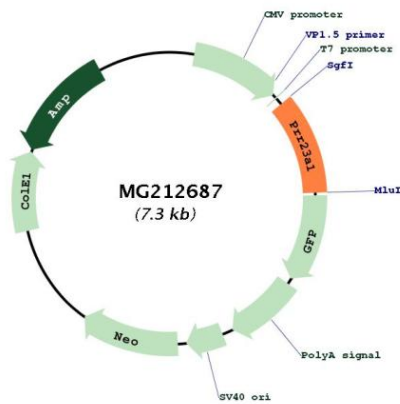
RefSeq Size: 1059 bp

RefSeq ORF: 777 bp

Locus ID: 623166

Cytogenetics: 9 E3.3

Product images:



Circular map for MG212687