

Product datasheet for **MG211172**

Pms1 (BC028939) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pms1 (BC028939) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pms1
Synonyms:	MGC36491
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211172 representing BC028939
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAACAGTTGCCTGCAGCAACAGTTCGCTCCTGTCCAGTTCTCAGACAATCACGTCAGTGGTCAGCG
 TTGTGAAAGAGCTCATTGAAAACCTTGGATGCCGGAGCCACCAGCATTGAAGTTAAAACCTGGAGAACTA
 TGGATTTGATAAAATTGAGATTCGGGACAAATGGTGAAGGCATCAAGGCTGTAGATGTCCCTGTAATGGCA
 GTGAAGTACTACACCTCGAAGATCAGCAGTCATGAAGACCTTGGAAATCTGACAACCTTATGGTTTTCTGTG
 GTGAAGCCTTGGGGTCAATATGTAATGTTGCGGAGGTGGTAGTTACAACAAGGACATCTGCTGATGACTT
 TAGCACTCAGTATGTTTTAGATGGCAGTGGCCACATACTTCTCAGAAGCCTTCACATCTTGGTCAAGGT
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 AGATGTAATCCATAACAGATCTGGACGGCTTACAGCCTATGACTTAATTAGCAGTCGAGCAGTCAAGAAG
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 TAGAATGAAGCACCAGTTCGAAAAGAAATTAAGGCTGTGTTTATGGCCGCCCATTTTTTCATCATTTG
 ACCCATCTCCAGGAACTTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211172 representing BC028939
Red=Cloning site Green=Tags(s)

MKQLPAATVRLSSSQITISVSVVKELIENSLDAGATSIEVKLENYGFDKIEIRDNGEGIKAVDVPVMA
 VKYYTSKISSHEDLGNLTTYGFRGEALGSICNVAE VVVTRTSADDFSTQYVLDGSGHILSQKPSHLGQG
 TTVTALKLKFKNLPVRKQFYSTAKKCKDELKNVQDLLISYGVLPDVRITFVHNKAVIWQKSRVPDHRMAL
 MSVLGTAVMGNMESVEQHCEQSQIYLSGFFPKHDADHNSTSLSTPERSFIFINSRPVHQDILKLI RRY
 NLKCLKESTRLYPYIFFLKIDVPSAEVDINLTPDKSQVLLQNKESVLI ALENLMMTCYGPLPTTESSEN
 RVDISSANMVVSQTAETDVLFNKMESEFGNNYPNADTSAIHFKQKDESRKNIDHHLNEQINIGNYFDGHFSGD
 INKDTFQNI PMNLSSETNQSNHSETHSVGSMEHIQGENGRNGTGGSGDGRETLPKALEICADDWSKG
 NLCNSMGENIEPVKILVPQKSLCKVTSSHPRLEPETLSDGPCSRTSDVIHNRSGRLTAYDLISSRAVKK
 PMSASALFIQDHRTQFLTENPKTGLEDATEQIKARWETLSEEEKHKYEKAKKDLERYNNQMKKAIEQET
 QVSLKDRKKRATSSWGWTQKHVKDSSNQPKLDEL FQSQNEKKKSENKITEIPFSMENLKANLKKQKE
 VDLEEKDEIYL IHSKFPDSWL VTSRADVMLLN PYRVEEALLFKRLLENHKL LAEPLKPIILTESLLNG
 SHYLEVLKYMSTVEERGSGSAYLCDPRLTANGFKIRLTPGVSSTENYLEIEGMAQCLPFYGMIDLKEILN
 AIVNKNKEIYECRPRKVINYLEGEAVRLSRQLPMPYLPREDVQDLIYRMKHQFGKEIKGCVHGRPFHHL
 THLPGTS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

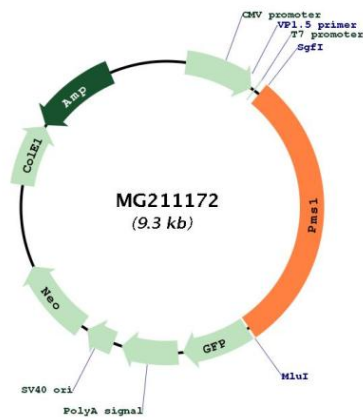
Cloning Scheme:



ACCN: BC028939

ORF Size:	2753 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:	<ol style="list-style-type: none"> 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:	BC028939 , AAH28939
RefSeq Size:	3045 bp
RefSeq ORF:	2753 bp
Locus ID:	227099
Cytogenetics:	1 C1.1

Product images:



Circular map for MG211172