

Product datasheet for **MG208409**

Ppp1r16a (NM_033371) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppp1r16a (NM_033371) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ppp1r16a
Synonyms:	2900084E10Rik; Mypt3; R75527
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG208409 representing NM_033371
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGAGCACCTGGAGCTGCTGGCAGAGATGCCCATGGTAGGCAGGATGAGTACCCAGGAGCGCCTGA
 AGCATGCCAGAAGCGAGCTGCCAGCAGGTAAGATGTGGGCCAGGCTGAGAAGGAGGCTCACAGCAA
 GAAGGGCCATGGGGAGCGACCATGGAAGGAGGTGGCTGGCCTCAGGCCTCGGAAGCATGTCTCTCCCT
 CCCAGCGTTGCCCTTCTGGAGGCTGCTGCCGAAACGACTTGGAGGAAGTCCGCCAGTTCCTTACCAGTG
 GGGTTAGCCCAACCTGGCCAATGAAGATGGCTTGACTGCACTGCACCAAGTGTGATTGACGACTTCCA
 AGAGATGGCACAGCAGCTCCTGGACGCTGGGGCTGATGTCAATGCTCGAGACAGTGTGCTGGACACCT
 CTGCATGCTGCAGCTACCTGTGGCCATCTGCATCTGGTGAACCTCTTATTTACGTGGTGCAGATCTCC
 TTGCAGTCAATCCGATGGGAATATGCCCTACGACCTGTGTGAGGACGCACAGACGCTGGATTGCCCTTGA
 GACTGCCATGGCCAACCGAGGTATCACCAGGAGGGCATTGAGGAGGCCCGGGCAGTGCCAGAGCTGTGC
 ATGCTGAATGACCTCCAGAACCCTGCAAGCTGGGGCCAACCTCAGTGACCTTTGGATCATGGGGCTA
 CTCTGCTGCACATCGCCGCTGCTAATGGGTTCAAGTGGAGTGGCTACCTGCTGCTGGAGCAAGGCCCGAG
 CCTGAGCGCTAAGGACCATGATGGCTGGGAGCCTCTGCATGCTGCGGCTTACTGGGGCCAGGTACACCTG
 GTAGAATTGCTTGTGGCAGATGGGGCTGATCTGAATGGAAAATCTCTGGTGGACGAGACCCCTCGATG
 TATGTGGTGTAGGAGGTGAGAGCCAACTGCTGGAGCTCAAGCACAAGCAAGATGCACTCCTGCGGGC
 CCAGGGCCGCCAGCGCTCCCTGCTGCGCCCGCTACCTTAGTGCAGGCAGCCGTGGGAAGTGGTGA
 CGAGTGAAGCTGACACATCGACCAACCTGTACCGCAAGGAGCATGCCCAAGAGGCCATTGTGTGGCAGC
 AGCCGCCACCCACAGTCCAGAACCCTAGAGGATGAGGACAGGCAGACAGCAGCTGAGTCCGGCTGCA
 GCCCCCGGAGGACGATGGTCTGAGGTGGCCAGACCACACAATGGCCAAGTAGGGGCCCGCCCGGGAGA
 CACCTGTACTCCAAGCGTCTAGATCGGAGTGTCTCCTATCATCTGAGTCTGAGGAGAACAGTGGCCCTG
 ATGCCCTCGTCCGGGACAAGGCCACCACACTGGCAGAACTGAAACGCCAGCGAGCGGCTGCAAAGCT
 TCAGCGACCTGCCCTGAAGGGCTGAGACTTTTGGCCTGGCCTGTCTGTTGATGCTGGGACCTCCAG
 CCTGACTGTGGCTTCAAGCAATTGGGGACCCGCCCTGCTCAAGCTCACTGCTCCCTCGGAGGAGCGT
 CTGTGGAGAAGAGGCCGTGTGCTTGTCTCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208409 representing NM_033371
 Red=Cloning site Green=Tags(s)

MAEHELLEAEMPVGRMSTQERLKHAKRRRAQVQKMWQAQAEKEAHSKKGHERPWKEVAGLRPRKHVLF
 PSVALLEAAARNDL EEVRQFLTSGVSPNLANEDGLTALHQCCIDDFQEMAQQLLDAGADVNARDSECWTP
 LHAAATCGHLHLVELLISRGADLLAVNSDGNMPYDLCEDAQTLDCL ETAMANQGITQEGIEEARAVPELC
 MLNDLQNRLQAGANLSDPLDHGATLLHIAAANGFSEVATLLLEQGASLSAKDHDGWEPLHAAAYWQVHL
 VELLVAHGADLNGKSLVDETPLDVCGDEEVRAKLELKHKQDALLRAQGRQSRLLRRRTSSAGSRGKVV
 RVSLTHRTNL YRKEHAQEAIVWQQPPPTSPEPLEDEDRTDAELRLQPPEDDGPEVARPHNGQVGA
 PPRHLYSKRLDRSVSYHL SPEENSAPDALVRDKAHTLAELKRQRAAAKLQRPAPGEPETFEPLSVDAGTSQ
 PDCGFSTIGDPPLLKLTAPSEEASVEKRPCLLM

TRTRPLE - GFP Tag - V

Restriction Sites:

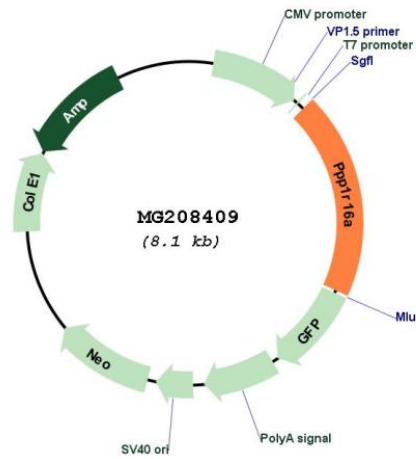
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_033371
ORF Size:	1572 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:	NM_033371.1
RefSeq Size:	2675 bp
RefSeq ORF:	1575 bp
Locus ID:	73062
UniProt ID:	Q923M0
Cytogenetics:	15 36.25 cM
Gene Summary:	Inhibits protein phosphatase 1 activity toward phosphorylase, myosin light chain and myosin substrates.[UniProtKB/Swiss-Prot Function]