

Product datasheet for **MG203615**

Plpp7 (NM_145521) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plpp7 (NM_145521) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Plpp7
Synonyms:	D830019K17Rik; NET39; Ppapdc3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203615 representing NM_145521 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGCTTCCCAGAGCCGGGCCCGTCCAGGGATCGCAACAATGTCCTCAACCGGGCTGAGTTCCTGT
CCCTGAACCAGCCCCCAAGGGGACCCAGGAGCCAGAAGCTCAGGTAGGAAGGCCTCGGGGCCCTCAAC
ACAACCCCAACCCTCCAGCGACGGGGCACGGGAGCGTCGCCAGTCACAGCAGCTGCCGAGGAGGACTGC
ATGCAGCTGAACCCCTCATTCAAGGGCATCGCCTCAACTCCCTGCTGGCTATTGACATCTGCATGTCCA
AGCGACTGGGGTGTGTCCGGCCGGGCTGCATCCTGGCCAGCGCCCGTCCATGGTCAAGCTCATTGG
CATCACAGGCCACGGCATTCTTGGATCGGGGACCATCCTCTGCCCTGGTGAGAAGCAGCACCCCTGGCT
GGCCAAGAGGTGCTCATGAACCTGCTGCTAGCCCTGCTCTTGGACATCATGACAGTGGCTGGAGTCCAGA
AGCTCATCAAGCGCCGCGGCCATATGAGACCAGCCCTGGGCTCCTGGACTACCTCACCATGGACATCTA
TGCCTTCCCTGCCGGCCACGCCAGCCGTGCCCATGGTGTCCAAGTTCTTCCCTGAGCCACCTGGTGCTG
GCGGTGCCACTGCGCGTGTCTGGTGTCTGGCCTTCTGCGTGGGCTTGTCTCGGGTGTATGATCGGAC
GCCACCATTACAGACGTCATCTCAGGCTTCATCATCGGCTACTCCAGTCCCGCTGGTGGAGCTCGT
GTGGATGTCTCCAACACCTGCCAGATGCTCATCTCTGCCTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203615 representing NM_145521
 Red=Cloning site Green=Tags(s)

MPASQSRARARDRNVLNRAEFLSLNQPPKGTQEPRSSGRKASGPSTQPPPSSDGARERRQSQQLPEEDC
 MQLNPSFKGI AFNSLLAIDICMSKRLGVCAGRAASWASARSMVKLIGITGHGIPWIGGTILCLVRSSTLA
 GQEVLMNLLLALLLDIMTVAGVQKLIKRRGPYETSPGLLDYLTMDIYAFPAGHASRAAMVSKFFLSHLVL
 AVPLRVLVWAFWFCVGLSRVMIGRHHITDVISGFIIGYQFRLVELVWMSNTCQMLISAW

TRTRPLE - GFP Tag - V

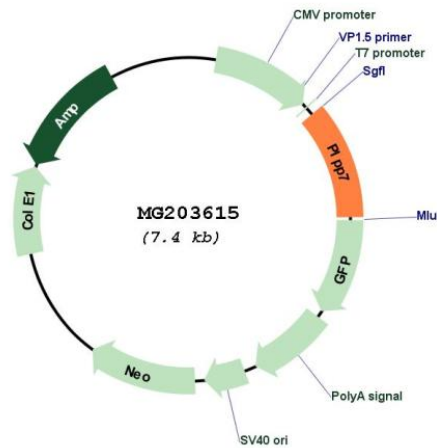
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_145521

ORF Size: 813 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_145521.4
RefSeq Size:	1825 bp
RefSeq ORF:	816 bp
Locus ID:	227721
UniProt ID:	Q91WB2
Cytogenetics:	2 B
Gene Summary:	Plays a role as negative regulator of myoblast differentiation, in part through effects on MTOR signaling. Has no detectable enzymatic activity. Knockdown in myoblasts strongly promotes differentiation, whereas overexpression represses myogenesis.[UniProtKB/Swiss-Prot Function]