

Product datasheet for **MG205517**

Ppm1l (NM_178726) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppm1l (NM_178726) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ppm1l
Synonyms:	3222401G13; 5930404J21Rik; AI481720; AW045850; mKIAA4175; PP2C; Pp2ce; PP2Cepsilon; Ppp2ce
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205517 representing NM_178726 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATAGAGGATACAATGACTTTGCTGTCTCTGCTGGGTCGCATCATGCGCTACTTCTTACTGAGACCCG
AGACGCTTTTCTGCTGTGCATCAGCTTGGCTCTCTGGAGTTACTTCTTCCACACGGACGAAGTGAAGAC
CATCGTTAAGTCTAGCCGGGACGCGGTGAAGATGGTGAAGGGCAAGGTGGCCGAGATTATGCAGAACGAT
CGTCTTGAGGACTTGATGTGCTGGAGGCCGAGTTTTCCAAGACCTGGGAATTAAGAGCCATAATGTGG
CGGTGACTCCATCCAGGGCCGGAGAGACCACATGGAAGATCGCTTCGAAGTTCTCACCGATCTAGCCAA
CAAGACGCACCCGTCATCTTCGGAATCTTTGATGGGCACGGCGGAGACTGCAGCGGAATATGTA
TCTCGACTCCCAGAGGCTCTTAAGCAGCACCTTCAGGATTATGAGAAGGACAAAGAAAACAGTGTCTGA
CCTACCAGACCATCCTCGAGCAGCAGATCTTGCAATTGACCGGAAATGCTGGAAAAGTTGACAGTCTC
CTATGATGAAGCAGGCACAACGTGTTTGTGCTCTACTCTCAGATAAAGACCTCACCGTGGCCAACGTT
GGTGACTCTCGGGGAGTCTTGTGTGACAAAGATGGCAATGCCATCCCCTTGTCTCACGATCACAAGCCTT
ACCAGCTGAAGGAAAGGAAGAGGATAAAGAGAGCTGGTGGGTTTCATCAGCTTTAATGGCTCCTGGAGGGT
CCAGGGAAATCCTAGCCATGTCTCGATCCCTGGGAGACTATCCACTGAAAAATCTCAACGTGGTCATCCCA
GACCCAGACATCTTGACCTTTGACCTGGACAAGCTGCAGCCGGAGTTCATGATCTTGGCCTCAGATGGCC
TGTGGGATGCTTTCAGCAATGAAGAAGCGGTTTCGATTCATCAAGGAGCGCTTGGATGAGCCCCACTTTGG
GGCCAAAAGCATCGTCTGCAGTCTTTACAGAGGCTGCCCTGACAACATCACTGTCTGTTGGTGAAG
TTCAGGAATAGTAGCAAAACAGAAGAGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205517 representing NM_178726
 Red=Cloning site Green=Tags(s)

MIEDTMTLLSLLGRIMRYFLLRPETLFLLCISLALWSYFFHTDEVKTIKSSRDVAKMVKGKVAEIMQND
 RLGGLDVLEAEFSKTWEFKSHNVAVYSIQGRRDHMEDRFEVLTDLANKTHPSIFGIFDGHGGETAAEYVK
 SRLPEALKQHLQDYEKDKENSVLTYQTILEQQILSIDREMLEKLTVSYDEAGTTCLIALLSDKDLTVANV
 GDSRGVLCDDKGNAIPLSHDHKPYQLKERKRIKRAGGFISFNGSWRVQGIAMSRSLGDYPLKNLNVVIP
 DPDILTFDLKLPQEFMILASDGLWDAFSNEEAVRFIKERLDEPHFGAKSIVLQSFYRGCPCDNITVMVVK
 FRNSSKTEEH

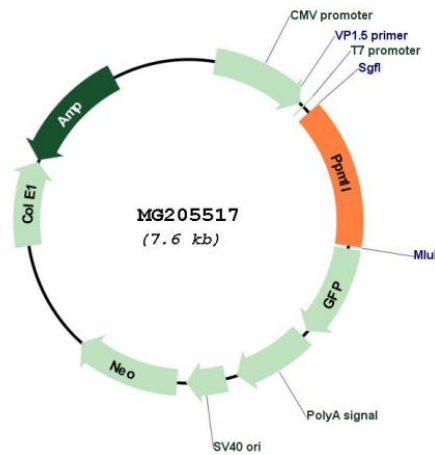
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_178726

ORF Size:	1080 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_178726.3 , NP_848841.2
RefSeq Size:	3962 bp
RefSeq ORF:	1083 bp
Locus ID:	242083
UniProt ID:	Q8BHN0
Cytogenetics:	3 E1
Gene Summary:	Acts as a suppressor of the SAPK signaling pathways by associating with and dephosphorylating MAP3K7/TAK1 and MAP3K5, and by attenuating the association between MAP3K7/TAK1 and MAP2K4 or MAP2K6.[UniProtKB/Swiss-Prot Function]