

Product datasheet for **RR211136**

Ppm1I (NM_001107681) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppm1I (NM_001107681) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ppm1I
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211136 representing NM_001107681
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATAGAGGATACAATGACTTTGCTGTCTCTGCTGGGTCGCATCATGCGCTACTTCTTACTGAGACCCG
AGACGCTTTTTCTGCTGTGCATCAGCTTGGCTCTGTGGAGTTACTTCTCCACACGGACGAAGTGAAGAC
CATCGTCAAGTCCAGCCGGGACCGGTGAAGATGGTGAAGGCAAGGTGGCCGAGATTATGCAGAACGAT
CGTCTTGAGGACTTGATGTGCTGGAGGCGAGTTTTCCAAGACCTGGGAATCAAGAGCCATAATGTTG
CGGTGTAATCCATCCAGGCGGAGAGACCACATGGAAGATCGCTTCGAAGTTCTAACGGATCTGGCCAA
CAAGACGCACCCGTCCATCTTCGGAATCTTTGACGGTCACGGCGGAGACTGCAGCGGAGTATGTAAG
TCTCGACTCCCAGAGGCTCTTAAGCAGCACCTTCAGGATTATGAGAAGGACAAAGAAAACAGTGTCTGA
CCTACCAGACCATCCTCGAGCAGCAGATCTTGTAATCGACCGAGAAATGCTGGAAAAGTTGACAGTGTG
CTACGACGAAGCAGGAACAACGTGTTTGTGCTCTACTCTCAGATAAAGACCTCACCGTGGCCAACTG
GGTACTCTCGAGGAGTCTGTGTGACAAAGATGGCAATGCCATTCCTTGTCTCAGATACAAGCCTT
ACCAGCTGAAGGAGAGGAAGAGGATAAAGAGAGCTGGTGGTTTCATCAGCTTTAATGGCTCCTGGAGGGT
CCAGGGGATCCTAGCCATGTCTCGATCCCTGGGAGATTATCCGCTGAAAATCTCAACGTGGTCATCCCA
GACCCAGACATCTTGACCTTTGACCTGGACAAGCTGCAGCCTGAGTTCATGATCTTAGCGTCGGATGGCC
TGTGGGATGCTTTTAGCAATGAAGAAGCAGTTCGATTTCATCAAGGAGCGCTTGGATGAGCCGCACTTTGG
GGCCAAAAGCATCGTCTGCAGTCTTTTACAGAGGCTGCCCTGACAATATTACAGTTCATGGTGGTGAAG
TTCAGGAATAGTAGCAAAACGGAAGAGCAG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211136 representing NM_001107681
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MIEDTMTLLSLLGRIMRYFLLRPETLFLLCISLALWSYFFHTDEVKTIKSSRDVAKMVKGKVAEIMQND
 RLGGLDVLEAEFSKTWEFKSHNAVYYSIQGRRDHMEDRFEVLTDLANKTHPSIFGIFDGHGGETAAEYVK
 SRLPEALKQHLQDYEKDKENSVLTYQTILEQQILSIDREMLEKLTVSYDEAGTTCLIALLSKDCLTVANV
 GDSRGVLCDDKGNAIPLSHDHKPYQLKERKRIKRAGGFISFNGSWRVQGILAMSRSLGDYPLKNLNVVIP
 DPDILTFDLKLPQEFMILASDGLWDAFSNEEAVRFIKERLDEPHFGAKSIVLQSFYRGCPCDNITVMVVK
 FRNSSKTEEQ

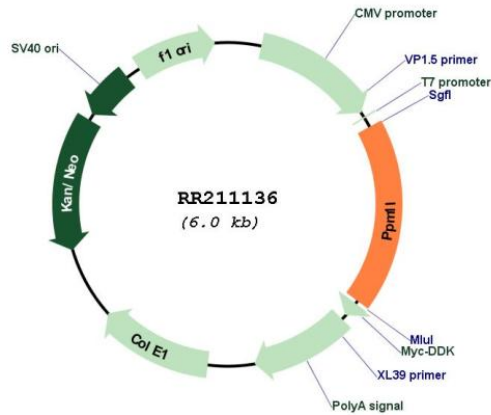
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107681

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_001107681.2 , NP_001101151.1
RefSeq Size:	8921 bp
RefSeq ORF:	1083 bp
Locus ID:	310506
Cytogenetics:	2q32
MW:	41 kDa