

Product datasheet for **RG217548**

PPM1H (NM_020700) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPM1H (NM_020700) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPM1H
Synonyms:	ARHCL1; NERPP-2C; URCC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG217548 representing NM_020700
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTCACTCGAGTCAAATCTGCCGTGGCCAAATTCATGGCGGCATCATGGCTGGCAGCTCAGGCTCCG
 AGCACGGCGGCGGAGCTGCGGAGGCTCGGACCTGCCCTTCCCTACGGGCGGCCAGAGTTCCT
 GGGGCTGTCTCAGGACGAGGTGGAGTGCAGCGCCGACCACATCGCCCGCCCATCCTCATCTCAAGGAG
 ACTCGGCGGCTGCCCTGGGCCACTGGCTACGCAGAGGTTATCAATGCCGGGAAGAGCACACAAATGAAG
 ACCAAGCCAGCTGTGAGGTGCTCACTGTGAAGAAGAAGGCAGGGGCCGTGACCTCAACCCCAAACAGGAA
 CTCATCCAAGAGACGGTCTCCCTCCCAATGGGAAGGGCTGCAGCTGAAGGAGAACTCGGAATCCGAG
 GGTGTTTCTGCCACTATTGGTCGCTGTTGACGGGCACGCGGGTCCGGGGCCGCGGTGGTGGCGTCAC
 GCCTGTCGAGCACCACATCACGGAGCAGCTGCAGGACATCGTGGACATCCTGAAGAACTCCGCCGCTCT
 GCCCCCTACCTGCCTGGGGGAGGAGCCTGAGAACACGCCCGCCAAACAGCCGGACTCTGACCCGGGCAGCC
 TCCTGCGCGGAGGGGTGGGGGCCCGGGCTCCCCAGCACGCCCCACACGCTTCTTTACCGAGAAGA
 AGATCCCCATGAGTGCCTGGTCATCGGAGCGCTTGAAGTGCATTCAAGGAAATGGACCTACAGATAGA
 ACGAGAGAGGAGTTCATATAATATATCTGGTGGCTGCACGGCCCTCATTGTGATTTGCCCTTTGGGGAAG
 CTGTATGTTGCAAATGCTGGGGATAGCAGGGCCATAATCATCAGAAATGGAGAAATATCCCATGTCTT
 CAGAATTTACCCCGAGACGGAGCGCCAGCGACTTCAGTACCTGGCATTTCATGCAGCCTCACTTGTGGG
 AAATGAGTTCACACATTTGGAGTTTCCAAGGAGAGTACAGAGAAAGGAGCTTGGAAAGAAGATGCTCTAC
 AGGGACTTTAATGACAGGCTGGGCATACAAAACCATTGAGGATGAGGACTTGAAGTTCGCCCTTATAT
 ATGGAGAAGCAAGAAGGCCCGGTAATGGCACTATTGGAGTGACCAGGGGACTTGGGGACCATCACT
 GAAGGTGCATGACTCCAACATCTACATTAACCATTCCTGTCTTCAGCTCCAGAGGTAAGAATCTACGAT
 CTTTCAAATATGATCATGGATCAGATGATGTGCTGATCTTGGCCACTGATGGACTCTGGGACGTTTTAT
 CAAATGAAGAAGTAGCAGAAGCAATCACTCAGTTTCTTCTAACTGTGATCCAGATGATCCTCACAGGTA
 CACACTGGCAGCTCAGGACCTGGTGTGCTGCCCGGGTGTGCTGAAGGACAGAGGATGGCGGATATCT
 AATGACCGACTGGGCTCAGGAGACGACATTTCTGTATATGTCATTCTTTAATACATGGAACAAGCTGT
 CA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG217548 representing NM_020700
 Red=Cloning site Green=Tags(s)

MLTRVKSAVANFMGGIMAGSSGSEHGGSGGSDPLRFPYGRPEFLGLSQDEVECSADHIARPILILKE
 TRRLPWATGYAEVINAGKSTHNEDQASCEVLTVKKKAGAVTSTPNRNSSKRRSSLPNGEGLQLKENSESE
 GVSCHYWSLFDGHAGSGAAVVASRLLQHHITEQLQDIVDILKNSAVLPPTCLGEEPENTPANSRTLTRAA
 SLRGGVAGPSPSTPPTRFFTEKKIPHECLVIGALESFAFKEMDLQIERERSSYNISSGCTALIVICLLGK
 LYVANAGDSRAIIIRNGEIIIPMSSEFTPETERQRLQYLAFMQPHLLGNEFTHLEFPRRVQRKELGKKMLY
 RDFNMTGWAYKTIEDDLKFPLIYGEGKKARVMATIGVTRGLGDHDLKVHDSNIYIKPFLSSAPEVRIYD
 LSKYDHGSDDVLILATDGLWDVLSNEEVAEAITQFLPNCDDPHRYTLAAQDLVMRARGVLKDRGWRIS
 NDRLGSGDDISVYVIPLIHGNKLS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_020700

ORF Size: 1542 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:

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_020700.2](#)

RefSeq Size: 6201 bp

RefSeq ORF: 1545 bp

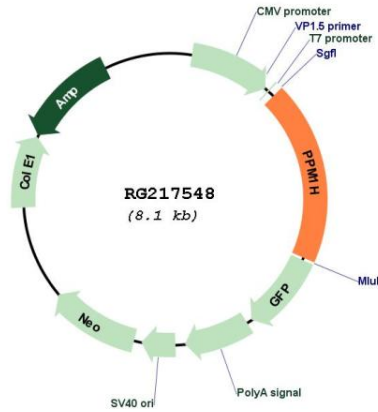
Locus ID: 57460

UniProt ID: [Q9ULR3](#)

Cytogenetics: 12q14.1-q14.2

Protein Families: Phosphatase
Gene Summary: Dephosphorylates CDKN1B at 'Thr-187', thus removing a signal for proteasomal degradation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG217548