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Product datasheet for SC212597

PPM1D (NM_003620) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PPM1D (NM_003620) Human 3' UTR Clone
Symbol:	PPM1D
Synonyms:	IDDGIP; JDVS; PP2C-DELTA; WIP1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003620
Insert Size:	2000 bp

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Insert Sequence:

>SC212597 3'UTR clone of NM_003620
The sequence shown below is from the reference sequence of NM_003620. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAACACAGGAAAACTGTTTGTGTTTGCTGAAATGCATCTGGGAAATGAGGTTTTTCCAAACTTAGGATA
TAAGAGGGCTTTTTAAATTTGGTGCCGATGTTGAACTTTTTTTAAGGGGAGAAAATTAAAAGAAATATA
CAGTTTGACTTTTTGGAATTCAGCAGTTTTATCCTGGCCTTGTACTTGCTTGTATTGTAAATGTGGATT
TTGTAGATGTTAGGGTATAAGTTGCTGTAAAATTTGTGTAAATTTGTATCCACACAAATTCAGTCTCTG
AATACACAGTATTCAGAGTCTCTGATACACAGTAATTGTGACAATAGGGCTAAATGTTTAAAGAAATCA
AAAGAATCTATTAGATTTTAGAAAAACATTTAAACTTTTTAAAATACTTATTAAAAAATTTGTATAAGC
CACTTGTCTTGAAAACTGTGCAACTTTTTAAAGTAAATTATTAAGCAGACTGGAAAAGTGATGTATTTT
CATAGTGACCTGTGTTTCACTTAATGTTTCTTAGAGCCAAGTGTCTTTTAAACATTATTTTTTATTTCT
GATTTCATAATTCAGAACTAAATTTTTCATAGAAGTGTTGAGCCATGCTACAGTTAGTCTTGTCCCAAT
TAAAATACTATGCAGTATCTCTTACATCAGTAGCATTTTTCTAAAACCTTAGTCATCAGATATGCTTAC
TAAATCTTCAGCATAGAAGGAAGTGTGTTTGCCTAAAACAATCTAAAACAATTCCCTTCTTTTTCATCC
CAGACCAATGGCATTATTAGGTCTTAAAGTAGTTACTCCCTTCTCGTGTTTGCTTAAAATATGTGAAGT
TTTCCTTGCTATTTCAATAACAGATGGTGCTGCTAATTCCCAACATTTCTTAAATTATTTTATATCATA
CAGTTTTCATTGATTATATGGGTATATATTCATCTAATAAATCAGTGAACTGTTCCTCATGTTGCTGAA
TTTGTAGTTGTTGGTTTATTTTAATGGTATGTACAAGTTGAGTATCCCTTATCCAAAATGCTTGGGACC
AGAAGTGTTTCAGATTTTTTAAAATTTTGGAATATTTGCTTTATACTGAGCTTTTGAGTGTTCCCAATC
TGAAATTCAAAATGCTCTAATGAGCATTTCCTTTGAGCATCATGCCTGCTCTGAAAAAGTTTCTGATTC
TGGAGCATTTTGGATTTTGGATTTTCAGATTAGGGATGCTTAACCTGGATTAACATTCTGTTGTGCCAT
GATCATGCTTTACAGTGAGTGTATTTTATTTATTTATTATTTTGTTTGTTTGTTTGAGATGGAGTCTCA
CTCTGTCATCCAGGCTAGAGTGCAGTGGCGTGATCTCGGCTGACTGCAACCTCTGCCTCCCGGGTTCAA
GTGATTCTCCTGCCTCAATCTCTCTCCCCAGAAGCTGGGATTACAGGTGTGTGCCACCACACCCGGCTA
ATTTTTTTTTTTTTTTTTGAGATGGAGTCTAGCTCTGTCATCCAGGCTGGAGTGCAGTGGTGTGATCTC
GGCTCCCTGCAACCTCTGCCTTCTGGGTTCCTGCGATTCTCCTGCCTCAGCCTCCTGAGTAGCTGAGAT
TACAGGCACGCGCCACTGTGCCCAGCCAATTTTTGTATTTTTAGTAGAGATGGGGTTTCACATGTCAGT
CATGCTGGTCTTGATCTCCTGACCTCGTGATCCACCCGCCTCGACCTCCCAAAGTACTGGGATTACAGG
CGTGAGCCACCGCATCCGGCCTGAGTTTTATGCTTTCAATGTATTTCTTACATTTCAGTTCAAGTGATT
TTCATGTCTCAGCCTCCTGAGTAGCTGGAACTACAGGTGCGTGCCACCATGCCTGGCTAAGTTTTGTAT
TTTTAGTAGAGATGGGTTTTCATCATGTTGGCCAAGATGGTCTTGATCTCTTGACCTCATGATCCACCA
GCCTAGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCGTGCCCAGCCAACTATGCCATTATT
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_003620.4

Summary: The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. The expression of this gene is induced in a p53-dependent manner in response to various environmental stresses. While being induced by tumor suppressor protein TP53/p53, this phosphatase negatively regulates the activity of p38 MAP kinase, MAPK/p38, through which it reduces the phosphorylation of p53, and in turn suppresses p53-mediated transcription and apoptosis. This phosphatase thus mediates a feedback regulation of p38-p53 signaling that contributes to growth inhibition and the suppression of stress induced apoptosis. This gene is located in a chromosomal region known to be amplified in breast cancer. The amplification of this gene has been detected in both breast cancer cell line and primary breast tumors, which suggests a role of this gene in cancer development. [provided by RefSeq, Jul 2008]

Locus ID: 8493

MW: 76.5