

Product datasheet for MR216718

PPP1R13B (NM_011625) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R13B (NM_011625) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP1R13B
Synonyms:	AI449786; ASPP1; AW545810; p85; Tp53bp2; Trp53bp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216718 representing NM_011625 Red=Cloning site Blue=ORF Green=Tags(s)

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ATGATGCCGATGATATTAACCGTGTCTTGAGCAACAATGAACAGATTTAACAGAAGTTCCTATAACAC
CAGAAACCACCTGTCGAGATGTCGTAGAATTCTGCAAGGAACCTGGAGAGGGCGTTGCCACCTGGCTGA
AGTGTGGAGAGGAAGTGAGCGTCCCATCCCCTATGACCACATGATGTATGAGCACCTGCAGAAGTGGGG
CCTCGCAGAGAAGAAGTAAAATTTTTCTCGTCATGAGGATTCTCCAAGTGCAGCAGTGAACAAGGTG
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TGGGGTTGGGAATCCACGTGTTGAACTTACCCTCTCAGAACTCAAGATATGGCAGCCAGGCAGCAGCAG
CAAATTGAAAACAGCAGCAAATGTTGGTTGCCAAGGAACAGCGTTTACATTTCTAAAGCAACAGGAGC
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AAACAAGCTGAAGAAGATCCGGGCCATGAGAGGACAAGTTGACTACAGCAAGATCATGAATGGCAATCTG
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GAGTTGATCAGCTTAGTCAGCAACTAGAAGATTTAAAGAAAGGAAAAGTGAATGGGTTCCAGTCATACAA
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GGCCACCGAGTCGGCAGAAACCTGCCCGCTGCCCCAGCAAGCAACGCTCCCCAGCCTGGCTCCTCAC
 AGCAGATT CAGCAGAGGATCTCAGTGCCACCAAGTCCCACATACCCGCCAGCGGGGCCACCTGCCTTTCC
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Protein Sequence:

>MR216718 representing NM_011625
 Red=Cloning site Green=Tags(s)

MMPMILTVFLSNNEQILTEVPITPETTCRDVVEFCKEPGEggCHLAEVWRGSErPIPYDHMMYEHlQKwG
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 LNQEQNSKLQQKELLNKRnMEVAMMDKRISELRERLYGKKIQLNRVNGTSSPQSPSTSGRVAAVGPYI
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 RPLKKRSSITEPEGPGGPNiQKLLYQRFNTLAGGMEGTFpYQPSpSQDFVGTladMDNGNTNANGNLDEP
 FPPRPTAPLPEELAPSSDANDNELPSPEPEELICPQTHQTAEPTEdNNNNVAPVPSTEQIPSPVAEAPS
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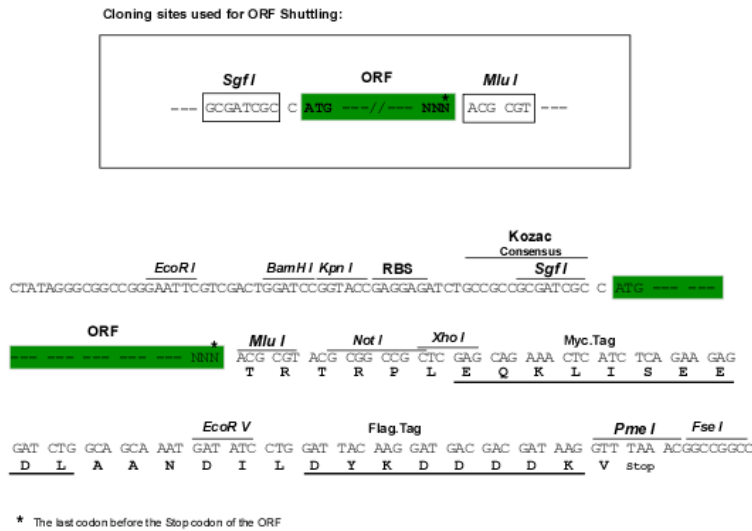
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9048_d12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011625

ORF Size: 3261 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_011625.1](#), [NP_035755.1](#)

RefSeq Size: 4355 bp

RefSeq ORF: 3264 bp

Locus ID: 21981

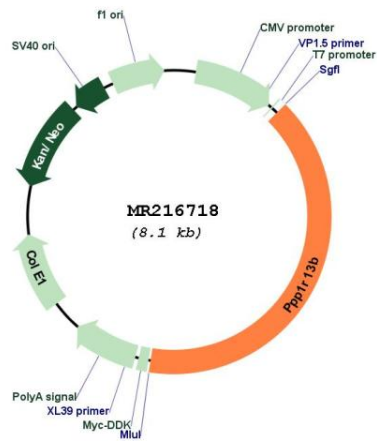
UniProt ID: [Q62415](#)

Cytogenetics: 12 F1

MW: 119.6 kDa

Gene Summary: Regulator that plays a central role in regulation of apoptosis via its interaction with p53/TP53. Regulates TP53 by enhancing the DNA binding and transactivation function of TP53 on the promoters of proapoptotic genes in vivo (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216718