

Product datasheet for **MR209257**

PPP2R5D (NM_009358) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5D (NM_009358) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP2R5D
Synonyms:	B'delta; TEG-271; Tex271
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209257 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTATAAACTGAAGAAGGATAAGGAACCCTCCAAGCTTGCCAAAGGCACAGCCAAGCCAGCAGCT
 CAAGCAAGGATGGTGGAGGGGAGAACACCGATGAGGCCAGCCAGCCAGTCTCAGTACCATCATC
 CAACAAGCGACCCAGCAACAGTACACCACCCCAACAACAAGTCAAGTACTCAGGGGACCC
 CAGATTGTCAAGAAAGACGACGCCAAAGCTCCTTCCCCTTCAACCTCAACAAGAACCGGGAGCTACAAA
 AACTTCTGCCTTGAAGACTCACCAACCAGGAACGTGAGGAGCTGTTTATCCAGAAGCTACGCCAGTG
 CTGTGTCCTCTTGTACTCGTGTGACGCCACTCAGTACCTCAAATGCAAAGAGGTGAAGCGGCAGGA
 CTCAATGAGATGGTGGAGTATATCACCCACAGCCGTGATGTTGTCAGTGGCCATCTACCTGAGGCTG
 TCACCATGTTTTAGTGAATCTTCCGGACGCTGCCTCCTTCATCGAATCCACAGGAGCAGAGTTTGA
 CCCTGAGGAAGATGAGCCAACCTTGAAGCTGCCTGGCCGATCTCCAGCTCGTGTACGAGTTTTTCTTA
 CGTTTTCTGGAGTCTCCAGATTTCCAGCCAAATATAGCCAAGAAGTACATTGACCAGAAGTTTGTACTTG
 CTCTCCTGGACCTATTCGATAGTGAAGACCTAGAGAGCGGGATTTTCTCAAGACCATTTTGCATCGCAT
 CTATGGCAAGTTTTTGGGGCTCCGGCTTATATTCGTAGGCAGATCAACCACATCTTCTACAGGTTTATC
 TATGAGACTGAGCATCACAATGGGATTCGGGAGCTGCTGGAGATCCTGGGAGCATCATCAATGGCTTG
 CCTTGGCCCTTAAGGAAGAACAAGGTGTTTCTCGTCCGTGCTGCTTCCACTCACAAAGTCAAGTC
 TCTGAGTGATACCACCTCAGTTGGCGTACTGTGTGGTGCAGTTCCTGGAGAAGGAGAGCAGTCTCACT
 GAGCCGGTGATTGTGGGACTTCTCAAGTTTTGGCCTAAGACCCACAGCCCAAGGAGGTGATGTTTCTGA
 ACGAGCTGGAGGAGATTCTAGATGTCAATTGAACCTCGGAGTTCAGTAAAGTCATGGAGCCGCTTCCCG
 CCAGCTTGCCAAATGTGTTTCCAGCCCAATTTCCAGGTGGCGGAGCGGCCCTCTACTACTGGAACAAT
 GAGTACATCATGAGCCTCATCAGCGACAATGCTGCCCGCATCCTCCCATCATGTTTCTGCACTCTATA
 GGAAGTCCAAAAGCCACTGGAACAAGACAATCCATGGACTCATCTACAATGCCCTGAAGCTTTCATGGA
 GATGAACCAGAAGCTGTTTACGACTGCACACAGCAGTACAAGGCGGAGAAGCAGAAGGGCAGGTTCCGA
 ATGAAGGAGAGAGAGGAGATGTGCAGAAGATCGAGGAGCTGGCCGGCTCAATCCCGAGTACCCTATGT
 TTCGGGCTCCTCCGCACTGCCCTGTGTACTCCATGGAGACAGAGACGCCACAGCAGAGGACATTCA
 GCTCCTGAAGAGGACGGTGGAGACAGAGCCGTGCAGATGCTGAAGGACATCAAGAAGGACAAGTGCTG
 CTCGGGAGGAAGTCAAGCTGCCACAGGACGTGTACACCATCAAGGCACTAGAGGCGCACAGCGGCAG
 AAGAGTTCCTGACTGCCAGCAGGAGGCCCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209257 protein sequence
 Red=Cloning site Green=Tags(s)

MSYKLLKKDKESKLAKGTAKPSSSSKDGEGENTDEAQPQPQSQSPSSNKRPSNSTPPPTQLSKIKYSGGP
 QIVKKERRQSSFPFNLNKNRELQKLPALKDSPTQEREELFIQKLRQCCVLFDFVSDPLSDLKCKEVKRA
 LNEMVEYITHSRDVVTEAIYPEAVTMFSVNLFRLLPPSSNPTGAEFDPEEDEPTLEAAWPHLQLVYEFFL
 RFLESPDFQPNIAKKYIDQKFLALLDLFSEDPREDFLKTILHRIYKFLGLRAYIRRQINHFYRFI
 YETEHNGIAELLEILGSIINGFALPLKEEHKFLVRVLLPLHKVKSLSVYHPQLAYCVVQFLEKESLT
 EPVIVGLLKFWPKTHSPKEVMFLNELEEILDVIEPSEFSKMEPLFRQLAKCVSSPHFQVAERALYYWNN
 EYIMSLISDNAARILPIMFPALYRNSKSHWNKTIHGLIYNALKLFMEMNQKLFDDCTQQYKAQKGRFR
 MKEREEMWQKIEELARLNQYPMFRAPPPLPPVYSMETETPTAEDIQLLKRTVETEAVQMLKDIKKDKVL
 LRRKSELPPQDVYTIKALEAHKRAEEFLTASQEAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_009358

ORF Size: 1785 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_009358.3](#), [NP_033384.2](#)

RefSeq Size: 2926 bp

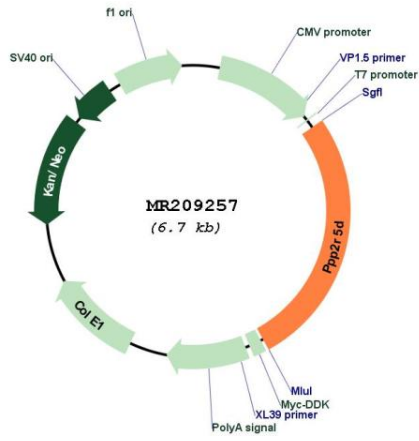
RefSeq ORF: 1785 bp

Locus ID: 21770

Cytogenetics: 17 C

MW: 69 kDa

Product images:



Circular map for MR209257