

Product datasheet for **RC238370**

PPP2R5E (NM_001282180) Human Tagged ORF Clone

Product data:

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|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | PPP2R5E (NM_001282180) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | PPP2R5E |
| Synonyms: | B56E; B56epsilon |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide Sequence:

>RC238370 representing NM_001282180
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTCAGCACCAACTACTCCTCCATCAGTGGATAAAGTAGACGGATTTTCTCGGAAGTCCGTCAGAA
 AAGCCAGACAGAAGAGGTCGCAAAGTTCCTCACAGTTTAGGTCTCAAGGCAAGCCTATTGAGTTAACACC
 TCTGCCGCTGCTAAAAGACGTTCCATCCTCAGAGCAGCCTGAACTGTTCCATAAAGAACTTCAGCAGTGC
 TGTGTCATTTTACTTCATGGACACGCTATCTGATCTTAAAAAGAAAGAATAACAAGCGCTCCACTCTTA
 ATGAACTGGTGGACTACATTACAATAAGCAGAGGCTGTTTACAGAGCAGACTTACCCTGAAGTAGTTAG
 AATGGTATCTTGAATATATTCAGAACTCTCCCTCCTAGTGACAGCAATGAATTTGATCCAGAAGAAGAT
 GAACCTACCTTGAGGCATCGTGGCCACACTTACAGCTTGATATGAATTTTTCATACGATTTTGGAAA
 GCCAAGAATCCAACCCAGCATTGCCAAAAATATATAGATCAGAAATTTGTATTACAGCTTCTGGAGCT
 ATTTGACAGCGAAGACCCTCGGGAACGGGACTACTTAAAAACAGTCTTACACAGAATTTATGGCAAGTTT
 CTTGGTCTTAGAGCATTTATCCGAAAACAGATTAACAATTTTTTCTAAGGTTTGTATTGAAACAGAAC
 ACTTCAATGGTGTAGCTGAACTGCTGGAATATTAGGAAGTATTCAATGGCTTTGCTTTACCTCTTAA
 GGCAGAACACAAACAGTTTCTGGTAAAAGTATTGATCCCTTTACACACTGTCCAGGAGCTTACACTCTTC
 CATGCACAGCTGGCATATTGTATAGTACAGTTTCTGGAGAAAGATCCCTTCACTCAGAACCAAGTTATTA
 GGGGGTTAATGAAATTTGGCCTAAAACATGTAGTCAAAAAGAGGTCATGTTCTTGGGGAAGTGGAGA
 AATATTGGATGTGATTGAACCTTCACAATTTGTTAAAACCAAGAACCTTTGTTTAAACAAATCGCCAAG
 TGTGTATCTAGCCCCATTTTTCAGGTGGCAGAAAGAGCACTCTATTATTGGAATAATGAATACATCATGA
 GTTTGTAGAAGAAAACCTAACGTCATCCTTCCCATCATGTTTCCAGCCTTTATAGGATTTCAAAGA
 ACATTGGAATCCGGCTATTGTGGCGTTGGTGACAATGTGTTGAAGGCATTTATGGAATGAACAGCACC
 ATGTTTACGAGCTGACAGCCACATACAATGAGAAAAAGAAAGAAAGGAGCGTGAAGAATTGTGAAAAA
 AATTGGAGGATCTGGAGTTAAAGAGAGGTCTTAGACGTGATGGAATAATTCACACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238370 representing NM_001282180
 Red=Cloning site Green=Tags(s)

MSSAPTPPSVDKVDGFSRKS SVRKARQKRSQSSSQFRSQKPIELTPLPLLKDVPSSEQPELFLKKLQCC
 CVIFDFMDLSDLKMKKEYKRSTLNELVDYITISRGLTEQTYPEVVRMVSCNIFRTLPPSDSNEFDPEED
 EPTLEASWPHLQLVYEFFIRFLESQEFQPSIAKKYIDQKFLVQLLELFDSEDPREPRDYLKTVLHRIYKGF
 LGLRAFIRKQINNIFLRFVYETE HFNVAELLEILGSIINGFALPLKAHKQFLVKVLIPLHTVRSLSLF
 HAQLAYCIVQFLEKDPSTTEPVIRGLMKFWPKTCSQKEVMFLGELEEILDVIEPSQFVKIQEPLFKQIAK
 CVSSPHFQVAERALYYWNN EYIMSLIEENS NVILPIMFSSLYRISKEHWNPAIVALVY NVLKAFMEMMNST
 MFDEL TATYNEKKKEKEREELWKKLEDLELKRGLRRDGI IPT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

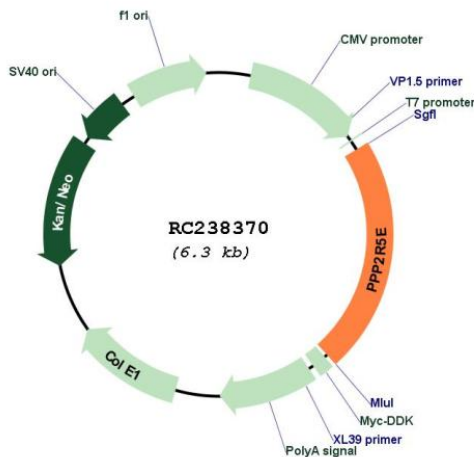
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282180

ORF Size: 1386 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).

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| 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_001282180.3 |
| RefSeq Size: | 4108 bp |
| RefSeq ORF: | 1389 bp |
| Locus ID: | 5529 |
| UniProt ID: | Q16537 |
| Cytogenetics: | 14q23.2 |
| Protein Families: | Druggable Genome, Phosphatase |
| Protein Pathways: | Oocyte meiosis, Wnt signaling pathway |
| MW: | 54.5 kDa |
| Gene Summary: | <p>The protein encoded by this gene belongs to the phosphatase 2A regulatory subunit B family. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes an epsilon isoform of the regulatory subunit B56 subfamily. Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Aug 2013]</p> |