

Product datasheet for **SC331355**

PPP2R5A (NM_001199756) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PPP2R5A (NM_001199756) Human Untagged Clone
Tag: Tag Free
Symbol: PPP2R5A
Synonyms: B56A; B56alpha; PR61A
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331355 representing NM_001199756.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGATAATGAATGCCACTTCAAATGAACAACAAGAGCTTTTCTGTGAGAGTTGCAGCAGTGTGTATA
CTGTTTGAATTCATGGACTCTGTTTCAGACTTGAAGAGCAAAGAAATTAAGAGCAACTGAATGAA
CTGTTGAGTATGTTTCAACTAATCGTGGTGAATTGTTGAATCAGCGTATTCTGATATAGTAAAAATG
ATCAGTGCTAACATCTCCGTACACTTCTCCAAGTGATAATCCAGATTTTGATCCAGAAGAGGATGAA
CCCACGCTTGAGGCTCTTGGCCTCACATACAGTTGGTATATGAATTCCTTGGAGATTTTGGAGAGC
CCTGATTTCCAGCTAGCATTGCAAAACGATACATTGATCAGAAATTCGTACAACAGCTCCTGGAGCTT
TTTGATAGTGAAGATCCCAGAGAACGTGACTTCTGAAGACTGTTCTGCACCGAATTTATGGGAAATTT
CTTGGATTAAGAGCATTATCAGAAAACAAATTAACAACATTTTCTCAGGTTTATATATGAAACAGAA
CATTTCAATGGTGTGCTGAACCTCTTGAAATATTAGGAAGTATTATCAATGGCTTTGCATTGCCACTG
AAAGCAGAACATAAACAATTTCTAATGAAGTTCTTATTCCTATGCATACTGCAAAAGGATTAGCTTTG
TTTCATGCTCAGCTAGCATATTGTGTTGTACAGTTCTGGAGAAAGATACAACACTAACAGAGCCAGTG
ATCAGAGGACTGCTGAAATTTGGCCAAAACCTGCAGTCAGAAAGAGGTGATGTTTTTAGGAGAAAT
GAAGAAATCTTAGATGTCATTGAACCAACACAGTTCAAAAAATGAAGAGCCACTTTTCAAGCAGATA
TCCAAGTGTGTATCCAGTTCTCATTTTCAGTTGCAGAAAGGCCATTGTACTTCTGGAATAACGAATAT
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TCCAAAGAACACTGGAATCCGACCATTGTAGCACTGGTATACAATGTGCTGAAAACCTAATGGAATG
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TTGGAACGTGAAGAATTATGAAAAAATAGAGGAGCTAAAGCTAAAGAAAGCTCTAGAAAAACAGAAT
AGTGCTTACAACATGCACAGTATTCTCAGCAATACAAGTGCCGAATAA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001199756
Insert Size: 1290 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<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_001199756.1
RefSeq Size:	2667 bp
RefSeq ORF:	1290 bp
Locus ID:	5525
UniProt ID:	Q15172
Cytogenetics:	1q32.3
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Oocyte meiosis, Wnt signaling pathway
MW:	50.2 kDa
Gene Summary:	<p>The product of 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 alpha isoform of the regulatory subunit B56 subfamily. Alternative transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Dec 2010]</p> <p>Transcript Variant: This variant (2) has an alternate 5' exon, as compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus, as compared to isoform 1.</p>