

## Product datasheet for **SC126441**

### PRRC2A (NM\_080686) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PRRC2A (NM\_080686) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PRRC2A  
**Synonyms:** BAT2; D6S51; D6S51E; G2  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_080686 edited  
CGGGAGGAGCCGAACCCGGCGCCATCCGCGCCATCCTCCCCGCCCCACCGCCATCCCC  
TCCCGGGGAGCCCCTAGGCCCGGGTCCCGGATCCCGCGCACCCGCGCAGGCTCTGGCAG  
GTTTTGGGGGAGGTGCCTGCAGGACCCAACATACTCAATGAGCTTCCAGCGCAATGTCCG  
ATCGCTCGGGCCGACTGCCAAGGAAAGGATGAAAGAAGTATTCTCGCTCAACTGT  
TTGATACGTATAAGGGCAAGTCCTTAGAGATCCAGAAACCGCTGTTGCCCTCGCCATG  
GCCTGCAGAGTCTCGGAAAGTTGCCATTGCCCGCGTATGCCACCTCCAGCCAACCTTC  
CAAGCCTGAAAGCCGAGAACAAGGCAATGACCCCAATGTCTCACTAGTGCCAAAAGACG  
GAACAGGATGGGCAAGCAAACAGGAGCAGTCCGACCCCAAGAGTCCGATGCCTCAACCG  
CTCAGCCGCCGAATCGCAGCCACTGCCGGCTTACAGACGCCTGCCTCAACCAGCCGA  
AACGACCCCCAGCAGCCCCGAGAACACTCCTTTGGTTCCAAGCGGGTAAAGTCTGGG  
CACAAGCCAGCGTCACCCATGGAGCACATGGAGATGGTGGAAAGGCATCAAGCCTACTGT  
CACGATTTCTCGAGAGGAATTTCCGACCTGCAGGCGGTGGCGACCAGGACAAGGCTG  
CCAAGGAAAGGGAGTCTGCCGAACAGTCGTCTGGGCCCGACCAAGCCTCCGCCCCAAA  
ATTCTACAACCTGGAGGGACGGAGGTGGGCGTGGCCCTGATGAGCTGGAGGGCCCGGACT  
CCAAACTTCATCATGGTCATGATCCCGGGGTGGGCTACAGCCTCAGGCCACCCCACT  
TCCCTCCCTACCGGGAATGATGCCGCCTTTCATGTATCCCCATATCTCCGTTCCCTC  
CGCCATATGGACCCAGGGGCCCTACCGATACCCCACTCCTGATGGGCCAGCCGTTTTTC  
CCCGTGTGGCGGGCCCCGAGGCTCAGGGCCACCAATGCCGTTAGTAGAGCCTGTGGGTC  
GTCCTCTATTCTCAAAGAGGATAATCTCAAAGAGTTTGATCAGTTGGATCAGGAGAATG  
ATGATGGTTGGGAGGGGCCATGAAGAGTTGACTACACTGAAAAGCTCAAGTTCAGCG  
ATGAGGAAGATGGGCGAGACTCTGATGAGGAGGGAGCTGAGGGCCACAGGGATTCCCAAT  
CAGCTTCTGGTGAGGAACGGCCCCCTGAAGCAGATGGCAAAAAGGGCAACTCCCCAACA  
GCGAACCCCCACTCCTAAGACGGCCTGGGCAGAACTCTCGGCCTCCAGAGACAGAGC  
CGGGACCTCTGCCCCAAAGCCTCCCTACCCCACTCACCAGGGCCCCCGCGGAACT  
GGGGCCCCCTGGGACTACCCAGATCGTGGGGTCTCCCTGCAAGCCCCAGCACCTG  
AAGATGAGGATGAGGCATGGCGCAGCGACGAAAGCAGTCGTCTGAGATTTCCCTGG



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CAGTGGAGCGGGCCCGGCGACGGCGAGAAGAAGAGGAGCGGTGCATGCAAGAAGAGCGCC  
 GGGCAGCCTGTGCTGAGAAGCTCAAGCGACTCGATGAAAAGTTTGGGGCACCTGACAAGC  
 GGCTCAAAGCAGAGCCTGCTGCCCCACCTGCTGCCCTTCTACCCAGCTCCACCACCTG  
 CAGTCCCTAAAGAACTCCCTGCACCTCCAGCTCCACCTCCAGCATCAGCCCCAACACCAG  
 AGAAAGAACCTGAAGAGCCAGCACAGGCCCTCCTGCCAATCTACTCTACTCCAGGTG  
 TGGCTCGGGCTCCCACTCTGGTGAGTGGTGGTGGCAGTACCAGTAGCACCAGCAGTGGCA  
 GCTTCGAAGCCAGCCCACTGGAACCACTGCCCTCAAAGAGGGTCCCTGAACCCACCCAG  
 AAGAGGTTCTCTCTACCACACCCCACTTCCAAGGTGGAACCCAAGGGTATGGGA  
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 AGCCTGTGACCTGGGGCTGTGCCAGCTCCACAGGCTCCACCCCGCCCCCAAGGCC  
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 GGATGATGATTCCTCTATGTGGACCCCGGCTCCTCCAGGGTCTGCCCTCTAGACT  
 TCTACCCTCTGGTGTGCATCCCTCTGGCTAGTTCCTCCGAGAGCGTTCCAGCAGTGGGG  
 GCTCAAGCTCAGAGCCATTTGACCGTCATGCACCTGCTATGTTACGGGAACGGGGCACTC  
 CACCGGTGGATCCAAAGTTGGCCTGGGTAGGAGATGTCTTACCAGCCACACCCGCTGAAC  
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 AGGCTCCACACCCAAGGAGGGAACACTCACCCAGGTCCTCTCGCTCCCCACCACCAG  
 GAGCCCCACCTTACCAGCCCCAGCCGCTTCACTGCCGGGGTGGGCGAGTCTTCACTC  
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 CAGGCTGGAGCCCTCAGCCAAGTCTCTGGCTCCAAGAACTCCACAGGCCCTTTGC  
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 GCGGACATGGGAGGGCTCAGCAGCAGGATAAACCGCCTCGTTTCCGGAGGCTGAAGCAGG  
 AACGGGAGAATGCCGCAAGGGGTCTGAGGGCAAGCCCTCCCTAACCTTCCAGCCTCCG  
 CTCTGGACCTGAGGAGGCCCTCACAACAGTACAGTGGCCCCAGCACCTCGCCGGGCGAG  
 CTGCCAAGTCTCTGATCTGTCAAACCAGAACTCAGACCAAGCCAATGAGGAATGGGAGA  
 CTGCATCAGAGAGCAGTACTTACCAGTGAAGCGGAGGGGACAAGAGGCACCCCCAC  
 CAGTACTGCTGACACCAAGGCTGTGGAACTCCTGGGGAGGTGGAGGTGGAGCCGTAC  
 CAGGTATTTAGCCATGTCCCGGAGATCTGAGCCAGAGAGCCAAGGATTTGAGTAAAC  
 GGAGTCTCAAGTCAGCGGCCAGGCATGGAACGCAGAAATCGGGCCCTGGCCAGGGG  
 GCAAGGCTGGCAGCAGTGGCAGCAGCAGTGGAGGAGGCGGTGGGGTCTGGAGGAAGGA  
 CCGGGCCAGGACGAGGCGACAAGAGGAGCTGGCCCTCCTCCAAGAACCGAAGTCGTCTC  
 CAGAGGAGCGTCCCCGGGGCTTCCCCTGCCTCCCCACCTCCAGCAGTTCTGCTGTCT  
 TCCGCCTGGACCAAGTTATCCACAGCAACCCTGCTGGCATCCAACAGGCTCTGGCCAGC  
 TTAGTAGCCGTAAGGGAGTGAACCTGCACCAGGGGTATCCAAGGCACAAGCTGGGC

CTCCCAAGCCCCTCAGGGCCCCTCTCCTAGGCCCAACCCGATACGAGCCCCAGAGGG  
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TGGGTGGGACTCCTCGGGACTCTGCCGGGTTAGTCCCTTTCCCCTAAACGTGGGAGC  
GGCCTCCAGAAAACCAGAGCTGTACAGGAGGAATCTTTGCCACCTCCTCATAGCTCTG  
GATTCTTGGGCTTAAGCCTGAGGGCCAGGCCCTCAGGCAGAGTCCAGAGATACAGGCA  
CAGAGGCCCTGACCCCTCACATCTGGAACCGTTTACATACTGCCACTAGCCGAAAGATT  
ACCGCCAGCTCCATGGAGCCTTGGATGGAGCCCTGAGTCCCTTTGAGGATGTGGCTG  
GCACAGAAATGAGTCAGTCTGACAGTGGGGTGGACCTGAGTGGGATTCTCAGGTGCAT  
CAGGTCCCTGCAGCCAGCGAAGTTCCTGATGGAGGACTCAAGGGGCGAGCAGAGGGAC  
CCCCAAGAGGCCTGGAGGCTCCTCACCCCTGAATGCTGTTCTTGTGAGGGTCCACCTG  
GCTCTGAACCTCCTAGGAGACCACCTGCCCCACGATGGGGACAGAAAGGAGCTGC  
CCCGGAGCAGCCTCTGCCCTGGCCCATTTGGCACAGAACGATCACAGCGTACAGACC  
GAGGCACAGAGCCTGGCCCATTCGGCCATCCCATCGACCTGGTCCCCAGTCCAGTTT  
GCACTAGTGACAAGGACTCAGACTTACGCCTAGTGGTAGGAGACAGCTTAAAAGCAGAGA  
AGGAGCTAACAGCATCAGTCACTGAGGCCATTCTGTATCACGAGACTGGGAGCTGCTTC  
CCAGTGTCTGCTCTGCTGAGCCACAATCCAAGAACCCTGGATTCTGGGCACTGTGTCC  
CGGAGCCCAGCTCCTCAGGCCAGCGCTGTATCCTGAGGTTTTCTATGGCAGTGTGGGC  
CTTCCAGTTCTCAGATCTCTGGGGAGCCATGGACTCTCAATTACATCCAACAGTGGAG  
GCTTCCGCCCTGGGACACCCTCACTGCACCCTTACAGATCACAGCCCCTATACCTACCCC  
CGGGCCAGCCCCCTCCCTCAGCACTGCTCTCTGGGGTAGCTCTCAAGGGCCAGTTTCTG  
ATTTCTCCACAATGCAAGCTACAGAGCTGGGAAGTTGCCGGCTGGAGGAGTTCTCTACC  
CTCCACCTTCTTCTCTACTCTCCGGCTTTCTGCCCACTCTTGCCTGACACATCGT  
TGCTTCAGGTACGCCAGGATCTGCCATCCCCTTCGGATTTTTATTCTACTCCTCTGAGC  
CTGGTGGCCAAAAGTGGCTTTCTCCCTTACGGGGCTCCTGCCAGCAGATGCTTCTACCCA  
TGGTAGACTCACAGCTGCCTGTGGTGAACCTTGGCTCCCTGCCGCCAGCACCCCTCCTG  
CCCCACCTCCCCTTTCTGTTACCTGTGGGCCCTGCTCTGCAGCCCCCAGCCTGGCTG  
TGCGGCCCCACCTGCTCCTGCTACTCGGGTGTGCTTACCTGCCAGGCCCTTCCCCG  
CTAGCTTGGGGCAGCAGAGCTGCATCCAGTGGAACTAAAGCCGTTCCAGGATTATCAA  
AACTGAGCAGCAACCTTGGGGGACTGGATCATCACGGACTCCCCAACTGGAAGTCTCT  
TCTCTGGCCTCAATTCCTGCTCAAGGCCACGCCTTCCACCTACAGTGGAGTCTTCCGCA  
CCCAGCGCTCGACCTTTACCAGCAGGCCTCCCCACCAGATGCCCTGCGTGGATACCTA  
AGCCTTGGGAGCGGACAGGGCCGACCTCGAGAAGGGCCCTCCCGACGGGAGAGGAGC  
CTGGGTCCCAGGGGACAAGGAGCCTGGGTTGCCCCACCCCGCTGAGGGAGTTCCTCTT  
GCCCCCTACCCCCGGGGCTTGTATATAGATTATAAATATATAAGGGGAAAGGGGTGGG  
GGGGAGGGGTTGTGGGGCTGGGGCTCACTTCCCCTCCTCCCCCTTCCCCTGGTCCCCTG  
TCCCTGGGGCTGTTTGTAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_080686 unedited  
NAGGGTTCAAATTTGTATACGACTCATATGGGCGCCGNAATCAAATCTGGTACCGGT  
CCGGAATTCCTCGGNAATCGTCGACCCACGCGTCCGCGGGAGGAGCCGAACCCGGCGCCA  
TCCGCGCCATCCTCCCCGCCCCACCGCCATCCCGTCCCGGGGAGCCCTAGGCCCGGG  
TCCCGGATCCCAGCGCACCCGGCCAGGCTCTGGCACGTTTTGGGGGAGGTGCCTGCAGGA  
CCCAACTACTCAATGAGCTTCCAGCGCAATGTCCGATCGCTCGGGGCGGACTGCCAAGG  
GAAAGGATGGAAGAAGTATTCTCGTCAACCTGTTTGATACGTATAAGGGCAAGTCTCT  
TAGAGATCCAGAAACCCGCTGTTGCCCTCGCCATGGCCTGCAGAGTCTCGGAAAGTTG  
CCATTGCCGGCGTATGCCACCTCCAGCCAACCTTCCAAGCCTGAAAGCCGAGAACAAG  
GCAATGACCCCAATGTCTCACTAGTGCCAAAAGACGGAACAGGATGGGCAAGCAAACAGG  
AGCAGTCCGACCCCAAGAGTTCCGATGCCTCAACCCTCAGCCGCGGAATCGCAGCCAC  
TGCCGGCTTACAGACGCTGCCTCCAACCAGCCGAAACGACCCCGAGCAGCCCCGAGA  
ACACTCCTTTGGTTCCAAGCGGGTAAAGTCTGNGCACAAGCCAGCGTCAACCATGGAG  
CACATGGAGATGGTGAAGGGCATCAAGCCTACTGTCAGATTCTCTCGAGAGGAATTT  
CGACCTGCGAGCGGCTGGCGACCAGGACAAGGCTGCCAAGGAAAGGAGTCTGCCGAAC  
AGTCGTCTGGGCCGGACCAAGCCTCCGCCCCAAATCTACACTTTGGAGGACNG

<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_080686
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_080686.1</a></u> , <u><a href="#">NP_542417.1</a></u>
<b>RefSeq Size:</b>	6750 bp
<b>RefSeq ORF:</b>	6474 bp
<b>Locus ID:</b>	7916
<b>UniProt ID:</b>	<u><a href="#">P48634</a></u>
<b>Cytogenetics:</b>	6p21.33

**Gene Summary:**

A cluster of genes, BAT1-BAT5, has been localized in the vicinity of the genes for TNF alpha and TNF beta. These genes are all within the human major histocompatibility complex class III region. This gene has microsatellite repeats which are associated with the age-at-onset of insulin-dependent diabetes mellitus (IDDM) and possibly thought to be involved with the inflammatory process of pancreatic beta-cell destruction during the development of IDDM. This gene is also a candidate gene for the development of rheumatoid arthritis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Dec 2010]

Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 2. Variants 1 and 2 both encode the same protein.