

## Product datasheet for **SC116388**

### **SIRPB1 (NM\_006065) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SIRPB1 (NM_006065) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIRPB1
Synonyms:	CD172b; SIRP-BETA-1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_006065 edited
GAATTCGGCAGGAGACGTTTGGACAGAGCAGGCTCCTAAGGTCTCCAGAATGCCCGTG
CCAGCCTCCTGGCCCCACCTTCTAGTCCTTCTGCTGATGACGCTACTGCTGGGGAGA
CTCACAGGAGTGGCAGGTGAGGACGAGCTACAGGTGATTCAGCCTGAAAAGTCCGTATCA
GTTGCAGCTGGAGAGTCGGCCACTCTGCGCTGTGCTATGACGTCCTGATCCCTGTGGG
CCCATCATGTGGTTTAGAGGAGCTGGAGCAGGCCGGGAATTAATCTACAATCAGAAAGAA
GGCCACTTCCCACGGGTAACAACCTGTTTCAGAACTCACAAGAGAAAACAACCTGGACTTT
TCCATCAGCATCAGTAACATCACCCCAGCAGACGCGGCACCTACTACTGTGTGAAGTTC
CGGAAAGGGAGCCCTGACGACGTGGAGTTTAAGTCTGGAGCAGGCACTGAGCTGTCTGTG
CGCGCCAAACCCTCTGCCCCCGTGGTATCGGGCCCTGCGGTGAGGGCCACACCTGAGCAC
ACAGTGAGCTTACCTGCGAGTCCCATGGCTTCTCTCCAGAGACATCACCTGAAATGG
TTCAAAAATGGGAATGAGCTCTCAGACTCCAGACCAACGTGGACCCCGCAGGAGACAGT
GTGTCCTACAGCATCCACAGCACAGCCAGGGTGGTGTGACCCGTGGGGACGTTCACTCT
CAAGTCATCTGCGAGATGGCCACATCACCTTGACGGGGACCCTCTTCGTGGGACTGCC
AACTTGTCTGAGGCCATCCGAGTTCACCCACCTTGGAGTTACTCAACAGCCCATGAGG
GCAGAGAACAGGCAAAGCTCACCTGCCAGGTGAGCAATTTCTACCCCGGGGACTACAG
CTGACCTGGTTGGAGAATGGAAATGTGTCCCGACAGAAAACAGCTTCGACCCCTATAGAG
AACAAAGGATGGCACCCTACAACCTGGATGAGCTGGCTCCTGGTGAACACCTGTGCCACAGG
GACGATGTGGTGTCTACCTGTCAGGTGGAGCATGATGGGCAGCAAGCAGTCAGCAAAAGC
TATGCCCTGGAGATCTCAGCACACCAGAAGGAGCACGGCTCAGATATACCCATGAACCA
GCGCTGGCTCCTACTGCTCCACTCCTCGTAGCTCCTCCTGGGGCCCAAGCTGCTACTG
GTGGTTGGTGTCTCTGCCATCTACATCTGCTGGAACAGAAGGCCTGACTGACCCCTCAGT
CTCTGCTGCCTCCTCTTTCTTGAGAAGCTCAGCCTGAGAGAAGGAGCTGGCGAGAACCT
TCCCCACACTCAGCTCCAACGCCTCCTCTCCAGGTCTCTGCTGCCACACAGCTCCT
GTTCCACCTTACAAGACCATGATGCCCAAAGCAGTGTCTCTATTACGGTCTGAGCA
GGGGCCATGGGATTGGGCTCTGGGCACTGACTCATGGCACCTCCCTAGAAGGTGAGAAAC
ACTCCAAATCTAAACACACCAGGACTTCTCCATCCGTCGCTTGGGACTGGCCATAAAC
CACAGACTCTCTCAGGCTCTCAAGAGTTATCCTGTCTTCTGGATTCTGCCTACCCCAA
CTCCCCCAGCCTTGTTGAGGTTCTACTGCCTCCTGAATACACATGAACCCCTATACCA
ATTTTAAGAAAAAATGATTCTCTTCTCTTTGTCCAAGCATCCTATCCCTCAAACCA
AAAAGAAAGAAGCTCTCCCTTCTCTCTGTGATGGGGACAGTATTTCTTCTAGTATCCT
GCAGCCTTCCCAGTCCTGCTTGTGGTGAAGATGCTGCCACAGCCCAACATTGAGGAG
CCCTCGATGACTGCCCTTACAACCTCATATTCAGTTCTGCCTCCAAAATGCATGTGTCCA
CTTACGTGAGATGGTAAATGTTTAACAATGGACTTTCTGAAAGGGAAAAACAAAAGCTG
TTTTGCAGTGCTTGCCAAATTTXXXXXXXXXXXXAAATTAACAATTGGTTTTTCAGGGC
CCAGTCCAAGCCTGNTGCTGGAAACCTCAGAGTTAAATCCCTATTCTCCACACCTCTCAC
CTCCACCACCCCTCCCTGTCCAGCCAGCATCATCTTTGGGGACCCTCCTCTGGCTT
TCATTTTTCAGCCACAGTGATTTTGGAAAAGTCAAATCATATCACTTCTCTGCTTCTT
CCCCAACACAGCTGCATGGCTCCCGCTCTCCCTCCTTCAAGTCTCTGCTCAATGCACTT
CATTAAGGCACCTTCTATAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
ACTCGAC
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_006065 unedited</p> <pre> AGTATTTTGAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGAAACGTTTGG ACAGAGCAGGCTCCTAAGGTCTCCAGAATGCCCGTGCCAGCCTCTGGCCCCACCTTCT AGTCCTTTCTGCTGATGACGCTACTGCTGGGGAGACTCACAGGAGTGGCAGGTGAGGAC GAGCTACAGGTGATTACGCTGAAAAGTCCGTATCAGTTGCAGCTGGAGAGTCGGCCACT CTGGCGTGTGCTATGACGTCCCTGATCCCTGTGGGGCCCATCATGTGGTTTAGAGGACT GGAGCAGGCCGGGAATTAATCTACAATCAGAAAGAAGGCCACTTCCCACGGGTAACAAC GTTTCAGAACTCACAAGAGAAAACAACCTGGACTTTTCCATCAGCATCAGTAACATCACC CCAGCAGACGCCGGCACCTACTACTGTGTGAAGTTCGGAAAGGAGCCCTGACGACGTG GAGTTTAAAGTCTGGAGCAGGCACTGAGCTGTCTGTGCGCGCCAAACCCTCTGCCCCGTC GTATCGGGCCCTGCGGTGAGGGCCACACCTGAGCACACAGTGAGCTTACCTGCGAGTCC CATGGCTTCTCTCCAGAGACATCACCTGAAATGGTTCAAAAATGGGAATGAGCTCTCA GACTTCCAGACCAACGTGGACCCCGCAGGAGACAGTGTCTACAGCATCCACAGCACA GCCAGGGTGGGTGCTGACCCGTGGGGACGTTCACTCTCAAGTCATCTGCGAGATGGCC CACATCACCTTGACGGGGACCCCTTTCGTGGGACTGCCAACTTGTCTGAGGCCATNCGA GTTCCCCACCTTGGNAGTACTCACAGCCATGAGGGCAGAGAACCAGGCAACGTCACT GCCAGTGAGCATTCTACCCCGGGACTACACTGACCTGGTTGAGATGGNAAATNGTCCN GNACGAAC </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_006065 unedited</p> <pre> GGGGGGGGGCCACAAACCAATCTTTTNNNNNNNANNNTTACTGTGNNACGCGNCC GCATTCTNANGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAGTTA TAAAAGGGCCTTAAATGAAGTGACATTGAGCAGAACTTGAAGGAGGGAGCGGGAGC CATGCATCTGTGTTGGGAAAAAGCAGAAAAGTATATGATTTGACTTTTCCAAAAAATC ACTGGGCTGAAAAATGAAAGCCAGAGGAGTGGTCCCCAAAAAATGATGCTGGCTGGGA CAGGGAGGGTGGTGGAGGTGAAAGGTGTGAAAAATAGGGATTTAACTTTGAGGTTTCCA GCAACAGGCTTGGACTGGGCCCTGAAAACCAATTGTTAAATTTAGGAATCTTGAATCT GGTTGTTAACTGTTGGCAGTGTGAAATGGTCAGGTTGGGAGTTATTACACTAGAGAAA TTGCAAGCACTGCAAAACAGCTTTTGGTTTTTCCCTTTCAGAAAGTCCATTGTTAAACA TTTACCATCTCAGTAAGTGGACACATGCATTTTGGAGGCAGAACTGAATATGAGTTGTA AAGGGCAGTCATCGAGGGCTCCTCAATGTTGGGCTGTGGCAGCATTCTACCACAAGCAA AATGACTGGGAAGGCTGCAGGATACTAAAAGAAATCTGTTCCCATCACAAGAGAAAGG AGAGCTCTTTTCTTTTGGTTTTGAGGCATACGATGCTTGGACAAAAAGAAAGGAGATCC TTTTTTCTTCAAAATGGAATTGGGGTCCATGTTTTTTCAGAGGCCACTAAAAACCTCA CAAGGTTGGGGATTTGGGTTAGCCAGGATTCAAAAAAGGTAACCCTTTGAACTTGA AAAAATTGGGGTTTTTGGCCACTCAAAGCCAACGTTGGGAAAAACCTTGTGGGGTTAA </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006065
<b>Insert Size:</b>	2380 bp
<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).

**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\\_006065.1](#), [NP\\_006056.1](#)

**RefSeq Size:** 3804 bp

**RefSeq ORF:** 1197 bp

**Locus ID:** 10326

**UniProt ID:** [O00241](#)

**Cytogenetics:** 20p13

**Domains:** ig, IGc1, IG

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** The protein encoded by this gene is a member of the signal-regulatory-protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. This protein was found to interact with TYROBP/DAP12, a protein bearing immunoreceptor tyrosine-based activation motifs. This protein was also reported to participate in the recruitment of tyrosine kinase SYK. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2009]

**Transcript Variant:** This variant (1) represents the longest transcript and encodes the longest isoform (1). Isoforms 1 and 3 are the same length but differ in their amino acid sequences.