

## Product datasheet for **SC325880**

### SIRPB1 (NM\_001135844) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SIRPB1 (NM\_001135844) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SIRPB1  
**Synonyms:** CD172b; SIRP-BETA-1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Neo  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001135844 edited  
 ATGCCCGTGCCAGCCTCCTGGCCCCACCTTCTAGTCCTTTCTGCTGATGACGCTACTG  
 CTGGGGAGACTCACAGGGGTAGCTGGCGAGGAAGAGCTGCAGGTGATTCAGCCTGACAAG  
 TCCATATCAGTTGCAGCTGGAGAGTCGGCCACTCTGCACCTGCACCTGTGACTTCCCTGATC  
 CCTGTGGGGCCATCCAGTGGTTCAGAGGAGCTGGACCAGGCCGGGAATTAATCTACAAT  
 CAGAAAGAAGGCCACTTCCCACGGGTAACAACCTGTTTCAGACCTCACAAAGAGAAACAAC  
 ATGGACTTTTCCATCCGCATCAGTAACATCACCCAGCAGATGCCGGCACCTACTACTGT  
 GTGAAGTCCGGAAAGGGAGCCCCGACCACGTGGAGTTTAAGTCTGGAGCAGGCACCCGAG  
 CTGTCTGTGCGTGCCAAACCTCTGCCCCGTTGATCGGGCCCTGCGGGAGGGCCACA  
 CCTCAGCACACAGTGAGCTTACCTGCGAGTCCCACGGCTTCTCACCCAGAGACATCACC  
 CTGAAATGGTTCAAAAATGGGAATGAGCTCTCAGACTTCCAGACCAACGTGGACCCCGCA  
 GGAGACAGTGTGCTCTACAGCATCCACAGCACAGCAAGGTGGTCTGACCCGCGAGGAC  
 GTTCACTCTCAAGTCATCTGCGAGGTGGCCACGTACCTTGCAGGGGGACCTTCTCGT  
 GGGACTGCCAACTTGTCTGAGACCATCCGAGTTCCACCCACCTTGGAGGTTACTCAACAG  
 CCCGTGAGGGCAGAGAACCAGGTGAATGTACCTGCCAGGTGAGGAAGTTCTACCCCGAG  
 AGACTACAGCTGACCTGGTTGGAGAATGGAAACGTGTCCAGGACAGAAACGGCCTCAACC  
 CTTACAGAAAACAAGGATGGTACCTACAACCTGGATGAGCTGGCTCCTGGTGAATGTATCT  
 GCCCACAGGGATGATGTGAAGCTCACCTGCCAGGTGGAGCATGACGGGCAGCCAGCGGTC  
 AGCAAAAGCCATGACCTGAAGTCTCAGCCCACCCGAAGGAGCAGGGCTCAAATACTGCT  
 CCTGGCCAGCACTGGCTTCTGCTGCTCCTCACTTCTCATAGCTTTCTCCTGGGCCCAAG  
 GTGCTGCTGGTGGTGGTGTCTGTCTATGTCTACTGGAAGCAGAAGGCCTGA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001135844  
**Insert Size:** 1200 bp



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<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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_001135844.1</a></u> , <u><a href="#">NP_001129316.1</a></u>
<b>RefSeq Size:</b>	2241 bp
<b>RefSeq ORF:</b>	1197 bp
<b>Locus ID:</b>	10326
<b>UniProt ID:</b>	<u><a href="#">Q5TFQ8</a></u>
<b>Cytogenetics:</b>	20p13
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 3' UTR and coding sequence compared to variant 1. The encoded isoform (3) is the same length as isoform 1, but these isoforms differ in their amino acid sequences. Both variants 3 and 4 encode the same isoform (3).</p>