

## Product datasheet for **SC302353**

### CD34 (NM\_001025109) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD34 (NM_001025109) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD34
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001025109 edited  
 TAGGAGCCGCGCGGAAGGATGCTGGTCCGAGGGGCGCGCGCAGGGCCAGGATGCC  
 GCGGGGCTGGACCGCGCTTTGCTTGCTGAGTTTCTGCTGCTTCTGGGTTTCATGAGTCTTGA  
 CAACAACGGTACTGCTACCCAGAGTTACCTACCCAGGGAACATTTTCAAATGTTTCTAC  
 AAATGTATCCTACCAAGAACTACAACACCTAGTACCCTTGGAAAGTACCAGCCTGCACCC  
 TGTGTCTCAACATGGCAATGAGGCCACAACAAACATCACAGAAACGACAGTCAAATTCAC  
 ATCTACCTCTGTATAACCTCAGTTTATGGAAACACAACTCTTCTGTCCAGTCACAGAC  
 CTCTGTAATCAGCACAGTGTTCACCACCCAGCCAACGTTTCAACTCCAGAGACAACCTT  
 GAAGCCTAGCCTGTCACCTGGAATGTTTCAGACCTTTCAACCTAGCACTAGCCTTGC  
 AACATCTCCCACTAAACCCTATACATCATCTTCTCCTATCCTAAGTGACATCAAGGCAGA  
 AATCAAATGTTTCAGGCATCAGAGAAGTAAATTGACTCAGGGCATCTGCCTGGAGCAAAA  
 TAAGACCTCCAGCTGTGCGGAGTTAAGAAGGACAGGGGAGAGGGCTGGCCGAGTGCT  
 GTGTGGGAGGAGCAGGCTGATGCTGATGCTGGGGCCAGGTATGCTCCCTGCTCCTTGC  
 CCAGTCTGAGGTGAGGCCTCAGTGTCTACTGCTGGTCTTGGCCAACAGAACAGAAATTC  
 CAGCAAACCTCAACTTATGAAAAAGCACCAATCTGACCTGAAAAAGCTGGGGATCCTAGA  
 TTTCACTGAGCAAGATGTTGCAAGCCACAGAGCTATTCCTCAAAAGACCTGATTGCACT  
 GGTCACTCGGGAGCCCTGCTGGCTGTCTTGGGCATCACTGGCTATTTCTGATGAATCG  
 CCGCAGCTGGAGCCACAGGAGAAAGGCTGGGCGAAGACCTTATTACCGGAAAACGG  
 TGGAGGCCAGGGCTATAGCTCAGGACCTGGGACCTCCCTGAGGCTCAGGAAAGGCCAG  
 TGTGAACCGAGGGGCTCAGGAAAACGGGACCGGCCAGGCCACCTCCAGAAAACGGCCATTC  
 AGCAAGACAACACGTGGTGGCTGATACCGAATTGTGACTCGGCTAGGTGGGGCAAGGCTG  
 GGCAGTCTCCGAGAGACACCCCTCTCTGCATCTGACCACGTGCTACCCCATGCTGGAG  
 GTGACATCTTTACGCCAACCTTCCCCTGACACACACCTCAGAGGCTGTTCTTGGGG  
 CCTACACCTTGAGGAGGGGAGTAAACTCCTGTCTTTACACATTCGGCTCCCTGGAG  
 CCAGACTCTGGTCTTCTTGGGTAACGTGTGACGGGGAAAGCCAAGGTCTGGAGAAGC  
 TCCCAGGAACAATCGATGGCCTTGCAGCACTCACACAGGACCCCTTCCCCTACCCCTC  
 CTCTCTGCCGCAATACAGGAACCCCGGGGAAAGATGAGCTTTTCTAGGCTACAATTTT  
 CTCCCAGGAAGCTTTGATTTTTACCGTTTCTTCCCTGATTTTTCTTCTACTTTGAGG  
 AAACCAAAGTAACCTTTTGCACCTGCTCTTGTAAATGATATAGCCAGAAAAACGTGTTG  
 CCTTGAACCACTTCCCTCATCTCTCCTCAAGACACTGTGGACTTGGTCACCAGCTCCTC  
 CCTTGTCTCTAAGTCCACTGAGCTCCATGTGCCCTCTACCATTTGCAGAGTCTGCTC  
 ACAGTTTTCTGGCTGGAGCCTAGAACAGCCTCCCAAGTTTTAGGACAAAACAGCTCAGTT  
 CTAGTCTCTCTGGGGCCACAGAAACTTTTTGGGCTCCTTTTTCTCCCTCTGGATCA  
 AAGTAGGCAGGACCATGGGACCAGGTCTTGGAGCTGAGCCTCTCACCTGTACTCTTCCGA  
 AAAATCCTCTTCTCTGAGGCTGGATCCTAGCCTTATCCTCTGATCTCCATGGCTTCCCTC  
 CTCCCTCTGCCGACTCCTGGGTTGAGCTGTTGCCTCAGTCCCCAACAGATGCTTTTCT  
 GTCTCTGCCTCCCTCACCTGAGCCCTTCTTGTCTGACCCCCATATGGTCATAGCC  
 CAGATCAGCTCCTAACCTTATCACCAGCTGCCTCTTCTGTGGGTGACCCAGGTCCTTGT  
 TTGCTGTTGATTTCTTCCAGAGGGGTTGAGCAGGGATCCTGGTTTCAATGACGGTTGGA  
 AATAGAAAATTTCCAGAGAAGAGAGTATTGGGTAGATATTTTTCTGAATACAAAGTGATG  
 TGTTTAAATACTGCAATTAAGTGATACTGAAACAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001025109  
**Insert Size:** 2400 bp  
**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).

<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001025109.1.
<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>NM_001025109.1, NP_001020280.1</u>
<b>RefSeq Size:</b>	2621 bp
<b>RefSeq ORF:</b>	1158 bp
<b>Locus ID:</b>	947
<b>UniProt ID:</b>	<u>P28906</u>
<b>Cytogenetics:</b>	1q32.2
<b>Protein Families:</b>	Adult stem cells, Cancer stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transmembrane
<b>Protein Pathways:</b>	Cell adhesion molecules (CAMs), Hematopoietic cell lineage
<b>Gene Summary:</b>	The protein encoded by this gene may play a role in the attachment of stem cells to the bone marrow extracellular matrix or to stromal cells. This single-pass membrane protein is highly glycosylated and phosphorylated by protein kinase C. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011] Transcript Variant: This variant (1) encodes the longer isoform (a).