

## Product datasheet for **SC119043**

### CD9 (NM\_001769) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD9 (NM_001769) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD9
Synonyms:	BTCC-1; DRAP-27; MIC3; MRP-1; TSPAN-29; TSPAN29
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119043 sequence for NM_001769 edited (data generated by NextGen Sequencing)

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ATGCCGGTCAAAGGAGGCACCAAGTGCATCAAATACCTGCTGTTCCGATTAACTTCATC
TTCTGGCTTGCCGGGATTGCTGTCTTGCCATTGGACTATGGCTCCGATTGACTCTCAG
ACCAAGAGCATCTTCGAGCAAGAACTAATAATAAATTCCAGTTCTACACAGGAGTC
TATATTCTGATCGGAGCCGGCCCTCATGATGCTGGTGGCTTCTGGGCTGCTGCGGG
GCTGTGCAGGAGTCCCAGTGCATGCTGGGACTGTTCTTCGGCTTCTCTTGGTGATATTC
GCCATTGAAATAGCTGCGGCCATCTGGGGATATCCCACAAGGATGAGGTGATTAAGGAA
GTCCAGGAGTTTTACAAGGACACCTACAACAAGCTGAAAACCAAGGATGAGCCCCAGCGG
GAAACGCTGAAAGCCATCCACTATGCGTTGAACTGCTGTGGTTTGGCTGGGGCGTGAA
CAGTTTATCTCAGACATCTGCCCAAGAAGGACGTAAGTCTGAAACCTTCCCGTGAAGTCC
TGTCTGATGCCATCAAAGAGGTCTTCGACAATAAATTCCACATCATCGGCGCAGTGGGC
ATCGGCATTGCCGTGGTCATGATATTTGGCATGATCTTCAGTATGATCTTGTGCTGTGCT
ATCCGCAGGAACCGGAGATGGTCTAG
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Clone variation with respect to NM\_001769.3



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_001769 unedited  TATTTTGTAAACGACTCACTATAGNNGCGGCCGNAATCGGCACGAGGGCCGCTGC  ATCTGTATCCAGCGCCAGGTCCCAGCTCCCAGCTGCGCGGCCCCAGTCCCAGCACC  CGTTCCGGCCAGGCTAAGTTAGCCCTCACCATGCCGGTCAAAGGAGGCACCAAGTGCATC  AAATACCTGCTGTTCCGATTTAACTTCATCTTCTGGCTTGCCGGGATTGCTGTCTTGCC  ATTGGACTATGGCTCCGATTCGACTCTCAGACCAAGAGCATCTTCGAGCAAGAACTAAT  AATAATAATCCAGCTTCTACACAGGAGTCTATATTCTGATCGGAGCCGGCCCTCATG  ATGCTGGTGGGCTTCTGGGCTGCTGCGGGCTGTGCAGGAGTCCAGTGCATGCTGGGA  CTGTTCTTCGGCTTCTCTTGGTGATATTGCCATTGAAATAGCTGCGGCCATCTGGGGA  TATTTCCACAAGGATGAGGTGATTAAGGAAGTCCAGGAGTTTTACAAGGACACCTACAAC  AAGCTGAAAACCAAGGATGAGCCCCAGCGGAAACGCTGAAAGCCATCCACTATGCGTTG  AACTGCCTGTGGTTTGGCTGGGGCGTGGAACAGTTTATCTCAGACATCTGCCCCAAGAA  AGAGCTACTCGAAACCTCACCGTGAAGTCTGTCTGATGCCATCAAAGAGGTCTTCGA  CAATAAATCCACATCATCGGCGCAGTGGGCATCGGCATTGCCGCGGCATGATATTTGG  CATGATCTTCAGTATGATCTTGTGCTGTCTATCCCGCAGGAACCGCAGATGTCTACAG  TCACCTTACATCCCTGAGCACGAAAGTTTACCCATGAAGATTGCCGCGACTTTTCGTTGC  TCGTCTCGGCTCCGCTGCTGTTGGTGTCTCGGTTTTGCCCCATTTAACATCACTCTGCAT  GCTAAATAAACTGAAGTACTTTAGCTGTTTTT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_001769 unedited  GGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTAATTGTCATAATTTTTTATTA  TGTATCAAATTGCTTCAATATAAGTTACAACCTGATTAAGTTGATAGACATTTGTATC  TATTTAAAGACAAAAAATCTTTTATGTACAATATCTTGTCTAGAGTCTAGCAAATATA  GTACCTTTTCATTGCAAGATTTCTGCTTAATATAACAAGCAAAAACAACAAGTAAAAAA  TATAAACCAAAAGCAAAACCAACCCCGCTCAACTACAAATGTCAATATTGAATGAAGCA  TTAAAAGACAAACATAAAGTAACTTCAGCTTTTATCTAGCAATGCAGAATGAATACTAAA  ATTAGGGGCAAAAAACAACAACAACAACAACAACAACAACAACAACAACAACAACAAT  CCCACCAATCTTCATGGGTAAACTTTCCCTGCTCAGGGATGTAAGTCTGACTCTAGACCATC  TCGCGGTTCTGCGGATAGCACAGCACAAGATCATACTGAAGATCATGCCAAATATCATG  ACCACGGCAATGCCGATGCCACTGCGCCGATGATGTGGAATTTATTGTGAAGACCTCT  TTGATGGCATCAGGACAGGACTTCACGGTGAAGGTTTTGAGTACGTCTTCTTGGGGCA  GATGCTGAAATAAACTGTTTCACGCCCCACCAACCACAGAGTTCACGCATAGTGATG  GCTTACGCGTTCCCGTGGGGCTCACCCCTTGGTTTCACTTGTGTAGGTGCCTTGAACCC  CGGACTTCTTATCCCCTCCTTGGGGATATCCCAGAGGCCGCACTTTTCATGTGAATATT  CCAGAGGACCCGAAACCTCCCACTGCCTTGAACCTGCAACCCGAAAATCCCAGAGCCC  CCAATATAGGGCCCGCTCCAACAATAAA</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_001769
<b>Insert Size:</b>	1280 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).

<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>	<a href="#">NM_001769.2</a> , <a href="#">NP_001760.1</a>
<b>RefSeq Size:</b>	1246 bp
<b>RefSeq ORF:</b>	687 bp
<b>Locus ID:</b>	928
<b>UniProt ID:</b>	<a href="#">P21926</a>
<b>Cytogenetics:</b>	12p13.31
<b>Domains:</b>	transmembrane4
<b>Protein Families:</b>	Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transmembrane
<b>Protein Pathways:</b>	Hematopoietic cell lineage
<b>Gene Summary:</b>	<p>This gene encodes a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Tetraspanins are cell surface glycoproteins with four transmembrane domains that form multimeric complexes with other cell surface proteins. The encoded protein functions in many cellular processes including differentiation, adhesion, and signal transduction, and expression of this gene plays a critical role in the suppression of cancer cell motility and metastasis. [provided by RefSeq, Jan 2011]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>