

## Product datasheet for **SC119046**

### CD37 (NM\_001774) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD37 (NM_001774) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD37
Synonyms:	GP52-40; TSPAN26
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001774, the custom clone sequence may differ by one or more nucleotides

```
ATGTCAGCCCAGGAGAGCTGCCTCAGCCTCATCAAGTACTTCCTCTTCGTTTTCAACCTCTTCTTCTTCG
TCCTCGGCAGCCTGATCTTCTGCTTCGGCATCTGGATCCTCATTGACAAGACCAGCTTCGTGTCCTTTGT
GGGCTTGGCCTTCGTGCCTCTGCAGATCTGGTCCAAAGTCCTGGCCATCTCAGGAATCTTCACCATGGGC
ATCGCCCTCCTGGGTTGTGTGGGGGCCCAAGGAGCTCCGCTGCCTCCTGGCCTGTATTTGGGATGC
TGCTGCTCCTGTTTGCCACACAGATCACCTGGGAATCCTCATCTCCACTCAGCGGGCCAGCTGGAGCG
AAGCTTGGGGACGTCGTAGAGAAAACCATCCAAAGTACGGCACCAACCCGAGGAGACCGCGCCGAG
GAGAGCTGGGACTATGTGCAGTTCAGCTGCGCTGCTGCGGCTGGCACTACCCGAGGACTGGTTCCAAG
TCCTCATCCTGAGAGGTAAACGGGTCGGAGGCGCACCGCGTGCCTGCTCCTGCTACAACCTGTTCGGCGAC
CAACGACTCCACAATCCTAGATAAGGTGATCTTGCCCCAGCTCAGCAGGCTTGGACACCTGGCGCGGTCC
AGACACAGTGCAGACATCTGCGCTGTCCCTGCAGAGAGCCACATCTACCGGAGGGCTGCGCGCAGGGCC
TCCAGAAGTGGCTGCACAACAACCTTATTTCCATAGTGGGCATTTGCCTGGGCGTCGGCCTACTCGAGCT
CGGGTTCATGACGCTCTCGATATTCCTGTGCAGAAACCTGGACCACGCTACAACCGGCTCGCTCGATAC
CGTTAG
```



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_001774 unedited GCACGAGGTTCTCTCAGCTCTCCGTCTCTTTCTCTCTCAGCCTCTTTCTTTCTCCC TGCTCCCCACTGTGACACCTTCTGTGTGGTGTAGTGGACCGCTTACCCACTAGGT GAAGATGTCAGCCAGGAGAGCTGCCTCAGCCTCATCAAGTACTCTCTTCGTTTTCAA CCTTTCTTTCTCGTCTCGGCAGCCTGATCTTCTGCTTCGGCATCTGGATCCTCATTGA CAAGACCAGCTTCGTGTCCTTTGTGGCTTGGCCTTCGTGCCTCTGCAGATCTGGTCCAA AGTCCTGGCCATCTCAGGAATCTTACCATGGGCATCGCCCTCTGGGTTGTGTGGGGC CCTCAAGGAGCTCCGCTGCCTCCTGGCCTGTATTTGGGATGCTGCTGCTCCTGTTTGC CACACAGATCACCTGGGAATCCTCATCTCCACTCAGCGGGCCAGCTGGAGCGAAGCTT GCGGGACGTCGTAGAGAAAACCATCCAAAAGTACGGCACCAACCCGAGGAGACCGCGGC CGAGGAGAGCTGGGACTATGTGCAGTTCAGCTGCGCTGCTGCGGCTGGCACTAC
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_001774 unedited CGCGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTGGCCAAAACGCAGGGGATT TATTTGAGTTTTGGTGAAAAAATCTTGTGGTGGTGGTAGGCCGACAGATGGGGACA GGAAGCTGTGGACGAAAGCCAGGTCCCGTGGGAGAGGTGACAGCAGCAGGGGCACGCA GCCACGTGGGTCCCAGGGGAATGTGAAGCGGAGGGCTCCAGGCGAACTGGGGATTAAA CAAATATTTACAGGCAGCAGGGAAGTGCCAGCGCACGTGACGGGGCGGGGCGGGACTT TGGGGAGGGCGGGCCTAACGGTATCGAGCGAGCCGGTTGTAGACGTGGTCCAGTTTTCT GCACAGGAATATCGAGAGCGTATGAACCCGAGCTCGAGTAGGCCGACGCCAGGCAAAT GCCCACTATGGAATAAGGTTGTTGTGCAGCCACTTCTGGAGGCCCTGCGCGCAGCCCTC GCGGTAGATGTGGCTCTCTGCAGGGACAGCGCAGATGTCTGCACTGTGTCTGGACCGGC CAGGTGTCCAAGCCTGCTGAGCTGGGGCAAGATCACCTTATCTAGGATTGTGGAGTCGTT GGTCGCCGACAAGTTGTAGCAGGAGCAGGGCACCGGTGCGCCTCCGACCCGTTACTCT CAGGATGAGGACTTGAACCAAGTCTGCGGGTAGTGCCAGCCGACGAGCGCAGCTGGAA CTGCACATAGTCCAGCTCTCCTCGGCCGCGGTCTCCTCGGGTGGTGGCGTACTTTTGG ATGGTTTTCTCTACGACGTNCCGCAAGCTTCGCTTCACTGGNCCCCTGAGTGGAGAT GAGGATCCCAGGGTGTCTGTGTGGCANACAGGAGCAGCANCATCCCAAATTACAGCCC AGNAGCAGCGGAGCTTCTTGGAGGGCCCCACACACCCAGGAGGCGAT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_001774
<b>Insert Size:</b>	1310 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>	<u><a href="#">NM_001774.1</a></u> , <u><a href="#">NP_001765.1</a></u>

RefSeq Size: 1263 bp

RefSeq ORF: 1263 bp

Locus ID: 951

UniProt ID: [P11049](#)

Cytogenetics: 19q13.33

Domains: transmembrane4

Protein Families: Transmembrane

Protein Pathways: Hematopoietic cell lineage

**Gene Summary:** The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It may play a role in T-cell-B-cell interactions. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (A).