

## Product datasheet for **SC310261**

### CD96 (NM\_005816) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD96 (NM_005816) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD96
Synonyms:	TACTILE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC310261 representing NM\_005816.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAGAAAAAATGAAATACTGTGCTGTCTATTACATCATCCAGATACATTTTGTCAAGGGAGTTGG
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ACACAGACAGTAGGCTTCTTCGTGCAGATGCAATGGTCCAAGGTACCAATAAGATAGACCTGATTGCT
GTCTATCATCCCCAATACGGCTTCTACTGTGCCTATGGGAGACCTGTGAGTCACTTGTGACTTTTACA
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TACGAGTGTATGCTTGTCTGTATCCAGAGGGCATTAGACTAAAATCTACAACCTTCTCATTAGACA
CACGTTACAGCAGATGAATGGAACGCAACCATACGATAGAAAATAGAGATAAATCAGACTCTGAAAATA
CCATGCTTTCAAATAGCTCCTCAAAAATTTTCATCTGAGTTCACCTATGCATGGTCGGTGGAGGATAAT
GGAACCTCAGGAAACACTTATCTCCAAAATCACCTCATCAGCAATCCACATTACTTAAAGATAGAGTC
AAGCTTGGTACAGACTACAGACTCCACCTCTCCAGTCAAATCTTCGATGATGGCGGGAAGTTCTCT
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GAAATCCCTGTGATTGTGGAAAATAACTCCACGGATGTCTTGGTAGAGAGAAGATTTACCTGCTTACTA
AAGAAATGATTTCCAAAGCAAATATACATGGTTATAGATGGAAGTTTTCTTCATGATGAAAAAGAA
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CCAGGAAATAAAGTGTGGAACATCTCATCAGAAAAGATCACTTTTCTCTTAGGTTCTGAAATTTCTCA
ACAGACCTCCACTGAGTGTACAGAATCTACCCTTGACACCCAACTTCTCCAGCCAGCAGTGTATCT
CCTGCAAGATATCCAGTACATCTTCAGTGACCCTTGATAGTGTGAGTGCCTTGAGGCCAAACACCACT
CCTCAACCCAGCAATTCCAGTATGACTACCCGAGGCTTCAACTATCCCTGGACCTCCAGTGGGACAGAT
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TACCAAAAAGAAATAATGAAAGACCTCCACCTTTCAAGCCACCACCCTCCCAAGTACACTTGC
ATTCAGAGCCCAACGAAAGTATCTGCCTTATCATGAGATGGAGACCCTCTAG
ACGGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_005816
- Insert Size:** 1710 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).
- OTI Annotation:** 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.
- Components:** 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_005816.3</a>
<b>RefSeq Size:</b>	4513 bp
<b>RefSeq ORF:</b>	1710 bp
<b>Locus ID:</b>	10225
<b>UniProt ID:</b>	<a href="#">P40200</a>
<b>Cytogenetics:</b>	3q13.13-q13.2
<b>Domains:</b>	ig, IG
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	63.9 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene belongs to the immunoglobulin superfamily. It is a type I membrane protein. The protein may play a role in the adhesive interactions of activated T and NK cells during the late phase of the immune response. It may also function in antigen presentation. Alternative splicing generates multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jan 2016]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1.</p>