

## Product datasheet for **SC302304**

### CD82 (NM\_001024844) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD82 (NM_001024844) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD82
Synonyms:	4F9; C33; GR15; IA4; KAI1; R2; SAR2; ST6; TSPAN27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM\_001024844 edited  
GGGTGACGCTGGGCTGCAGCGGAGCAGAAAAGCAGAACC CGCAGAGTCCCTCCCTGCTG  
CTGTGTGGACGACACGTGGGCACAGGCAGAAAGTGGCCCTGTGACCAGCTGCACTGGTTT  
CGTGGAAGGAAGCTCCAGGACTGGCGGGATGGGCTCAGCCTGTATCAAAGTCACCAAATA  
CTTTCTCTTCTTCAACTTGATCTTCTTTATCCTGGGCGCAGTGATCCTGGGCTTCGG  
GGTGTGGATCCTGGCCGACAAGAGCAGTTTCATCTCTGCTGCAAACCTCCTCCAGCTC  
GCTTAGGATGGGGCCTATGTCTTCATCGGCGTGGGGCAGTCACTATGCTCATGGGCTT  
CCTGGGCTGCATCGGCGCCGTCAACGAGGTCCGCTGCCTGCTGGGGCTGCTGAAGCAGGA  
GATGGGCGGCATCGTGACTGAGCTATTGAGACTACAACAGCAGTCGCGAGGACAGCCT  
GCAGGATGCTGGGACTACGTGCAGGCTCAGGTGAAGTGTGCGGCTGGGTGAGTTCTA  
CAACTGGACAGACAACGCTGAGCTCATGAATCGCCCTGAGGTCACCTACCCCTGTTCTCTG  
CGAAGTCAAGGGGAAGAGGACAACAGCCTTTCTGTGAGGAAGGGCTTCTGCGAGGCCCC  
CGGCAACAGGACCAGAGTGGCAACCACCTGAGGACTGGCCTGTGTACCAGGAGGGCTG  
CATGGAGAAGGTGCAGGCGTGGCTGCAGGAGAACCTGGGCATCATCCTCGGCGTGGGCGT  
GGGTGTGGCCATCGTCGAGCTCCTGGGGATGGTCTGTCCATCTGCTTGTGCCGGCAGCT  
CCATTCGAAGACTACAGCAAGTCCCCAAGTACTGAGGCAGTGCTATCCCCATCTCCC  
TGCTGGCCCCAACCTCAGGGTCCCAGGGTCTCCCTGGCTCCCTCCTCCAGGCTGC  
CTCCCAGTCACTGCGAAGACCTCTTGCCACCCTGACTGAAAGTAGGGGGCTTTCTGG  
GGCCTAGCGATCTCTCCTGGCCTATCCGCTGCCAGCCTTGAGCCCTGGCTGTTCTGTGGT  
TCCTCTGCTCACCGCCATCAGGGTTCTCTTAGCAACTCAGAGAAAAATGCTCCCCACAG  
CGTCCCTGGCGCAGGTGGGCTGGACTTCTACCTGCCCTCAAGGGTGTGTATATTGTATAG  
GGGCAACTGTATGAAAAATTGGGAGGAGGGGGCCGGGCGCGGTGGCTCACGCCTGTAAT  
CCCAGCACTTTGGGAGGCCGAGGCGGGTGGATCACGAGGTGAGGAGATCGAGACCATCCT  
GGCTAACATGGTAAACCCGCTCTACTAAAAATACAAAAAAATTTAGCCGGGCGCGG  
TGGCGGGCACCTGTAGTCCCAGCTACTTGGGAGGCTGAGGCAGGAGAATGGTGTGAACCC  
GGGAGCGGAGGTTGCAGTGAGCTGAGATCGTCTACTGCACTCCAGCCTGGGGGACAGAA  
AGAGACTCCGTCTCAAAAAAAAAAAAAAAAAAAAAAAAAA



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001024844
<b>Insert Size:</b>	1500 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>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_001024844.1.
<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><a href="#">NM_001024844.1</a></u> , <u><a href="#">NP_001020015.1</a></u>
<b>RefSeq Size:</b>	1640 bp
<b>RefSeq ORF:</b>	729 bp
<b>Locus ID:</b>	3732
<b>UniProt ID:</b>	<u><a href="#">P27701</a></u>
<b>Cytogenetics:</b>	11p11.2
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	p53 signaling pathway
<b>Gene Summary:</b>	<p>This metastasis suppressor gene product is a membrane glycoprotein that is a member of the transmembrane 4 superfamily. Expression of this gene has been shown to be downregulated in tumor progression of human cancers and can be activated by p53 through a consensus binding sequence in the promoter. Its expression and that of p53 are strongly correlated, and the loss of expression of these two proteins is associated with poor survival for prostate cancer patients. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, as compared to variant 1. The encoded isoform (2) thus lacks a segment in the middle region, as compared to isoform 1.</p>