

## Product datasheet for **SC107926**

### CD82 (NM\_002231) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD82 (NM_002231) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD82
Synonyms:	4F9; C33; GR15; IA4; KAI1; R2; SAR2; ST6; TSPAN27
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 SC107926 sequence for NM_002231 edited (data generated by NextGen Sequencing)

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ATGGGCTCAGCCTGTATCAAAGTCACCAAATACTTTCTTCTCCTTCAACTTGATCTTC
TTTATCCTGGGGCAGTGATCCTGGGCTTCGGGGTGTGGATCCTGGCCGACAAGAGCAGT
TTCATCTCTGTCCTGCAAACCTCCTCCAGCTCGCTTAGGATGGGGCCTATGTCTTCATC
GGCGTGGGGCAGTCACTATGCTCATGGGCTTCTGGGCTGCATCGGCGCCGTCAACGAG
GTCCGCTGCCTGCTGGGGCTGTACTTTGCTTTCTGCTCCTGATCCTCATTGCCAGGTG
ACGGCCGGGGCCCTTTCTACTTCAACATGGGCAAGCTGAAGCAGGAGATGGGCGGCATC
GTGACTGAGCTCATTGAGACTACAACAGCAGTCGCGAGGACAGCCTGCAGGATGCCTGG
GACTACGTGCAGGCTCAGGTGAAGTGTGCGGCTGGGTCAGCTTCTACAAGTGGACAGAC
AACGCTGAGCTCATGAATCGCCCTGAGGTCACCTACCCCTGTTCTGCGAAGTCAAGGGG
GAAGAGGACAACAGCCTTTCTGTGAGGAAGGGCTTCTGCGAGGCCCCCGCAACAGGACC
CAGAGTGGCAACCACCCTGAGGACTGGCCTGTGTACCAGGAGGGCTGCATGGAGAAGGTG
CAGGCGTGGCTGCAGGAGAACCTGGGCATCATCCTCGGCGTGGGCGTGGGTGTGGCCATC
ATCGAGCTCCTGGGGATGGTCTGTCCATCTGCTTGTGCCGGCACGTCCATTCCGAAGAC
TACAGCAAGGTCCCAAGTACTGA
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Clone variation with respect to NM\_002231.3



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_002231 unedited  GCAGCCCAATTCGCACGAGGCCGACGCCGTCTGAGGCACGAGCGGGTGACGCTGGGCCTG  CAGCGCGGAGCAGAAAGCAGAACCCGCAGAGTCCCTCCCTGCTGTGTGGACGACACGT  GGGCACAGGCAGAAGTGGGCCCTGTGACCAGCTGCACTGGTTTCGTGGAAGGAAGCTCCA  TACTGGCGGGATGGGCTCAGCCTGTATCAAAGTCACCAAATACTTTCTCTCCTTTCAA  CTTGATCTTCTTTATCCTGGGCGCAGTGATCCTGGGCTTCGGGGTGTGGATCCTGGCCGA  CAAGAGCAGTTTTATCTCTGTCTGCAAACCTCCTCCAGCTCGTTAGGATGGGGCCCTA  TGTCTTCATCGGCGTGGGGCAGTCACTATGCTCATGGGCTTCCTGGGCTGCATCGGCGC  CGTCAACGAGGTCCGCTGCCTGTGGGGCTGACTTTGCTTTCCTGCTCCTGATCCTCAT  TGCCAGGTGACGGCCGGGGCCCTTTCTACTTCAACATGGGCAAGCTGAAGCAGGAGAT  GGGCGGCATCGTGACTGAGCTCATTGAGACTACAACAGCAGTCGCGAGGACAGCCTGCA  GGATGCCTGGGACTACGTGCAGGCTCAGGTGAAGTGTGCGGCTGGGTGACGTTTACAA  CTGGACAGACAACGCTGAGCTCATGAATCGCCCTGAGGTCACCTACCCCTGTTCTCGCA  AGTCAAGGGGGAAGAGGACAACAGCCTTTCTGTGAGGAAGGGCTTCTGCGAGGCCCCCGG  CCACAGGACCCANAGTGGCAACCACCCTGAGGACTGGCCTGTGTACCAGGAAGGCTGCAT  GGGAAAAGTGCAAGCTTGCTGTCAG</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_002231 unedited  GCTCTTAGCGGGCCCTAGTCTGGAAGTGCAGTAGCACGATCTCAGCTCGCTGCAACCTT  CTCTCCCGGGTTACACCATTGTGCTGCCTGAGCCTCCCAATAGCTGGGACTACAGGTGC  CCGCCACCGCGCCCGCTAAATTTTTTTGTATTTTAGTAGAGACGGGGTTTACCATGT  TAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCACCCGCCCTCGGCCTCCAAAGGG  CGGGGAGTACAGGCGTGAGCCACCGCGCCCGGCCCTCCTCCCAATTTTTTATACAGC  TGCCCTATACAATATACACACCCTTGAGGGCAGGTAGAAGTCCAGCCACCTGCGCCAG  GGACGCTGTGGGAGCATTTTTTCTGCGTTGCCTAAGAGAACCCTGATGGGCGGTGAGC  TGAGGAACCACACAACAGTCACGGCTCAATGCTGGTACCGCTACGCCAGGAGAGATCGT  TATGTCCTACAAAGCCCTCTACTACCATTTAGGGAGGGCTCCAGGGTCTTCCCCTGAC  CGGGATGCACGCCCTGCAGACGGAGCCATGGGACATCTCTGGAGCCCCGAGGTTGTGTGT  CACGCCTGCACATGCCATTTCCCTTCTCACTTCTTGTGTTTTTTTTTTGCTTCCCG  ATGGCCCTCCTCCGCTATTCGTTTGTCCGGTACTATCCCCCTTTTTCTTTTTTCGCC  CTCTTTCTCTCCCTCGCTCCTACTTTGCCCCCGCTCCACCCGTTTTTTTTTTTTTTT  CTCTTCTCTTTTCGTTTCTTATTTCCGCACTACGTCCTTCCCTCTCCCTATCCACTTC  TCCCGTCCCTCTTTTTCTCTCCCCATTTATCTCCCCCTATTTTTCTTTTTTTCG  GGCCTCGCCTTTCTCCCGCTTTTTCTCTTTTACCAGCTTTTCATCTCTCTNCTCTTA  TCCTTTTCTCCAGTCATTCTACCCACCCACCACTCTATTTCTTT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_002231
<b>Insert Size:</b>	1680 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_002231.3</a> , <a href="#">NP_002222.1</a>
<b>RefSeq Size:</b>	1715 bp
<b>RefSeq ORF:</b>	804 bp
<b>Locus ID:</b>	3732
<b>UniProt ID:</b>	<a href="#">P27701</a>
<b>Cytogenetics:</b>	11p11.2
<b>Domains:</b>	transmembrane4
<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 (1) encodes the longer isoform (1).</p>