

Product datasheet for **RC200457**

CD82 (NM_002231) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD82 (NM_002231) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CD82
Synonyms: 4F9; C33; GR15; IA4; KAI1; R2; SAR2; ST6; TSPAN27
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC200457 representing NM_002231
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTCAGCCTGTATCAAAGTCACCAAATACTTTCTCTTCCTCTTCAACTTGATCTTCTTTATCCTGG
GCGCAGTGATCCTGGGCTTCGGGGTGTGGATCCTGGCCGACAAGAGCAGTTTCATCTCTGTCCTGCAAAC
CTCCTCCAGCTCGCTTAGGATGGGGCCATGTCTTCATCGGCGTGGGGCAGTCACTATGCTCATGGGC
TTCTGGGCTGCATCGGCGCCGTC AACGAGGTCCGCTGCCTGCTGGGGCTGACTTTGCTTTCCTGCTCC
TGATCCTCATTGCCAGGTGACGCGCGGGCCCTCTTCTACTTCAACATGGGCAAGCTGAAGCAGGAGAT
GGGCGGCATCGTACTGAGCTCATTGAGACTACAACAGCAGTCGCGAGGACAGCCTGCAGGATGCCTGG
GACTACGTGCAGGCTCAGGTGAAGTGTGCGGGTGGGTGACGTTCTACAACGGACAGACAACGCTGAGC
TCATGAATCGCCCTGAGGTACCTACCCCTGTTCTGCGAAGTCAAGGGGAAGAGGACAACAGCCTTTC
TGTGAGGAAGGGCTTCTGCGAGGCCCGGCAACAGGACCCAGAGTGGCAACCACCCTGAGGACTGGCCT
GTGTACCAGGAGGGTGCATGGAGAAGTGCAGGCGTGGCTGCAGGAGAACCTGGGCATCATCTCGGCG
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TTCCGAAGACTACAGCAAGGTCCCCAAGTAC

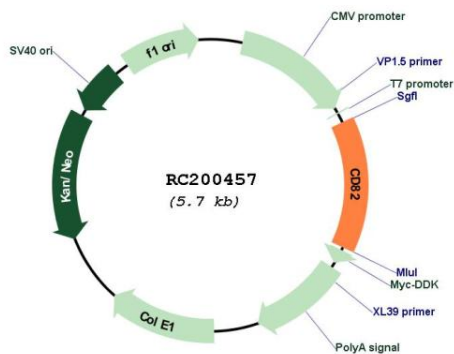
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



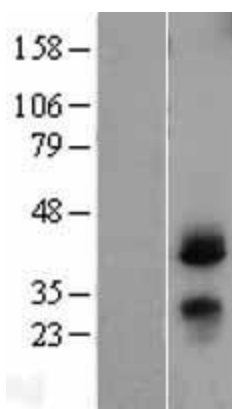
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Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_002231.4
RefSeq Size:	1715 bp
RefSeq ORF:	804 bp
Locus ID:	3732
UniProt ID:	P27701
Cytogenetics:	11p11.2
Domains:	transmembrane4
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	p53 signaling pathway
MW:	29.4 kDa
Gene Summary:	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]

Product images:



Circular map for RC200457



Western blot validation of overexpression lysate (Cat# [LY400808]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200457 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).