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Product datasheet for SC324395

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene sequence for NM_002231.3
GTGACGCTGGGCCTGCAGCGCGGAGCAGAAAGCAGAACCCGCAGAGTCCTCCCTGCTGCT
GTGTGGACGACACGTGGGCACAGGCAGAAGTGGGCCCTGTGACCAGCTGCACTGGTTTCG
TGGAAGGAAGCTCCAGGACTGGCGGGATGGGCTCAGCCTGTATCAAAGTCACCAAATACT
TTCTCTTCCTCTTCAACTTGATCTTCTTTATCCTGGGCGCAGTGATCCTGGGCTTCGGGG
TGTGGATCCTGGCCGACAAGAGCAGTTTCATCTCTGTCCTGCAAACCTCCTCCAGCTCGC
TTAGGATGGGGGCCTATGTCTTCATCGGCGTGGGGGCAGTCACTATGCTCATGGGCTTCC
TGGGCTGCATCGGCGCCGTCAACGAGGTCCGCTGCCTGCTGGGGCTGTACTTTGCTTTCC
TGCTCCTGATCCTCATTGCCCAGGTGACGGCCGGGGCCCTCTTCTACTTCAACATGGGCA
AGCTGAAGCAGGAGATGGGCGGCATCGTGACTGAGCTCATTCGAGACTACAACAGCAGTC
GCGAGGACAGCCTGCAGGATGCCTGGGACTACGTGCAGGCTCAGGTGAAGTGCTGCGGCT
GGGTCAGCTTCTACAACTGGACAGACAACGCTGAGCTCATGAATCGCCCTGAGGTCACCT
ACCCCTGTTCCTGCGAAGTCAAGGGGGAAGAGGACAACAGCCTTTCTGTGAGGAAGGGCT
TCTGCGAGGCCCCCGGCAACAGGACCCAGAGTGGCAACCACCCTGAGGACTGGCCTGTGT
ACCAGGAGGGCTGCATGGAGAAGGTGCAGGCGTGGCTGCAGGAGAACCTGGGCATCATCC
TCGGCGTGGGCGTGGGTGTGGCCATCGTCGAGCTCCTGGGGATGGTCCTGTCCATCTGCT
TGTGCCGGCACGTCCATTCCGAAGACTACAGCAAGGTCCCCAAGTACTGAGGCAGCTGCT
ATCCCCATCTCCCTGCCTGGCCCCCAACCTCAGGGCTCCCAGGGGTCTCCCTGGCTCCCT
CCTCCAGGCCTGCCTCCCACTTCACTGCGAAGACCCTCTTGCCCACCCTGACTGAAAGTA
GGGGGCTTTCTGGGGCCTAGCGATCTCTCCTGGCCTATCCGCTGCCAGCCTTGAGCCCTG
GCTGTTCTGTGGTTCCTCTGCTCACCGCCCATCAGGGTTCTCTTAGCAACTCAGAGAAAA
ATGCTCCCCACAGCGTCCCTGGCGCAGGTGGGCTGGACTTCTACCTGCCCTCAAGGGTGT
GTATATTGTATAGGGGCAACTGTATGAAAAATTGGGGAGGAGGGGGCCGGGCGCGGTGGC
TCACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGTGGATCACGAGGTCAGGAGA
TCGAGACCATCCTGGCTAACATGGTGAAACCCCGTCTCTACTAAAAATACAAAAAAAATT
TAGCCGGGCGCGGTGGCGGGCACCTGTAGTCCCAGCTACTTGGGAGGCTGAGGCAGGAGA
ATGGTGTGAACCCGGGAGCGGAGGTTGCAGTGAGCTGAGATCGTGCTACTGCACTCCAGC
CTGGGGGACAGAAAGAGACTCCGTCTCAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: Please inquire

ACCN: NM_002231

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).

Reconstitution Method:	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.
RefSeq:	NM_002231.3, NP_002222.1
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
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] Transcript Variant: This variant (1) encodes the longer isoform (1).