

Product datasheet for **SC126082**

CA13 (NM_198584) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CA13 (NM_198584) Human Untagged Clone
Tag: Tag Free
Symbol: CA13
Synonyms: CAXIII
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None
Fully Sequenced ORF: >OriGene sequence for NM_198584 edited

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ATCCCCCGGAAACCTTCTCTCCGCTCTCCCTCTAACTCAAATCTCTCATTCCCC
AGTCCAAACTAAGAGAGACTCGCGCCCCAGGAGTCAGCCAGCGGCGGGCGCCTTCCCC
GCACGCCTCTGCCGTCTGGAGGACGCAGGCGGGAGCGCCCCGGACCGGTTACGGTCTC
GCACTCTGCCGCGGCGCCCCGCGGTCCCGCCCTAGCAGGCTCCTTCCCGGGCCCTCC
CCGCTCCCTCCTTTCTCGTGTCTCAGTCACATCTTTCTTCCCTTCCACCCCGAGGGA
CCATGTCGAGGCTCAGCTGGGGATACCGCGAGCACAACGGTCCTATTCAGTGAAGGAAT
TTTTCCCTATTGCTGATGGTGATCAGCAATCTCCAATTGAGATTAACCAAAGAAGTGA
AATATGACTCTTCCCTCCGACCATTAGTATCAAGTATGACCCAAGCTCAGCTAAATCA
TCAGCAACAGCGCCATTCTTCAATGTTGACTTTGATGACACAGAGAACAATCAGTTC
TGCGTGGTGGTCTCTCACTGGAAGCTACAGGTTACGGCAGGTTACCTTCACTGGGGT
CCGCTGATGACCACGGCTCCGAGCACATAGTAGATGGAGTGAGCTATGCTGCAGAGCTCC
ATGTTGTTCACTGGAATTCAGACAAATACCCAGCTTTGTTGAGGCAGCTCATGAACCAG
ATGGACTGGTGTCTTGGGAGTGTTTTACAGATTGGTGAACCTAATCCCAACTGCAA
AGATTACTGACACTTTGGATTCCATTAAGAAAAGGGTAAACAACTCGATTCACAAATT
TTGACCTATTGTCTCTGCTTCCACCATCCTGGGACTACTGGACATATCCTGGTCTCTTA
CAGTTCACCTCTTCTTGAGAGTGTACATGGATTGTTTTAAAGCAACCTATAAACATCA
GCTCTCAACAGCTGGCCAAATTTTCGAGTCTCCTGTGCACAGCGGAGGGTGAAGCAGCAG
CTTTTCTGGTGCAATACCGCCACCACAGCCTCTAAAGGGCCGCAAAGTGAGAGCCT
CTTTCCATTAATAATGTACCAATGAACTCCCCCAAACATGGCTGTGGAGAGACAACAA
AACAAAACAAAGCACAAAAGTCTCTGCCAACAACTCTTTTGTGGAATTCTAATTTATAGG
AACATTTTAGTATGAGCTTCAGTGTACAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198584 unedited GGTTTGTATATTTGATATACGACTACTATAGGCGGCCGCGTAATTCGCACGAGGATCCCC CCCGGAAACCTTTCTCTCTCCGTCTCTCCCTCTAACTCAAATCTCTCATTCCCGAGTCCA AACTAAGAGAGACTCGCGCCCCAGGAGTCAGCCAGCGGCGCGGGCGCCTTCCCCGCACGC CTCTGCCGTCTGGAGGACGCAGGCGGGAGCGCCCCGGACCGGTTACGGTCTCGCACTC CTGCCCGCGGCCCGCGGTCCCGCCCTAGCAGGCTCCTTCCCGGGCCCCTCCCCGCTC CCTCCTTTTCTCGCTGCTCAGTCACATCTTTCTTCTTCCCTCCACCCCGAGGGACCATGT CGAGGCTCAGCTGGGGATACCGCGAGCAACGGTCTTCTTCACTGGAAGGAATTTTCC CTATTGCTGATGGTGATCAGCAATCTCCAATTGAGATTAACCAAGAAGTGAATATG ACTCTTCCCTCCGACCACTTAGTATCAAGTATGACCCAAGCTCAGCTAAAATCATCAGCA ACAGCGGCCATTCTTCAATGTTGACTTTGATGACACAGAGAACAATCAGTTCTGCGTG GTGGTCTCTCACTGGAAGCTACAGGTTACGGCAGGTTACCTTCACTGGGGTCCGCTG ATGACCACGGCTCCGAGCACATAGTAGAGTGGAGTGAAGTATGCTGCAGAGCTCCATGTTG TTCAGTGAATTNCAGACAATACCCAGCTTTGTTGAGGCAGCTCATGAACANATGGAC TGCTGTCTTGGAGTGGTTTTACAGATTGGTGAACCTATTCCCAACTGNCAAAGATTA CTGACACTTTGGATTATTAAAGAAAAGTAAACAAACTCGATTACAAATTTGACCCTA TTGCTCTGCTTTCACCTNCCTGGGACTACTGGACATATCCCTT
Restriction Sites:	NotI-NotI
ACCN:	NM_198584
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).
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:	<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.
RefSeq:	NM_198584.1 , NP_940986.1
RefSeq Size:	3564 bp
RefSeq ORF:	789 bp
Locus ID:	377677
UniProt ID:	Q8N1Q1
Cytogenetics:	8q21.2
Protein Families:	Druggable Genome
Protein Pathways:	Nitrogen metabolism

Gene Summary:

Carbonic anhydrases (CAs) are a family of zinc metalloenzymes. For background information on the CA family, see MIM 114800.[supplied by OMIM, Mar 2008]