

## Product datasheet for **SC204643**

### Carbonic Anhydrase I (CA1) (NM\_001128830) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Carbonic Anhydrase I (CA1) (NM\_001128830) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** CA1  
**Synonyms:** CA-I; CAB; Car1; HEL-S-11  
**ACCN:** NM\_001128830  
**Insert Size:** 982 bp  
**Insert Sequence:** >SC204643 3'UTR clone of NM\_001128830

The sequence shown below is from the reference sequence of NM\_001128830. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGGGCAGAACAGTGAGAGCTTCATTTTGTATGATTCTGAGAAGAACTTGTCTTCTCAAGAACACAG
CCCTGCTTCTGACATAATCCAGTAAAATAATAATTTTTAAGAAAATAATTTTCAATATTAGCAAGA
CAGCATGCCTTCAAATCAATCTGTAAAATAAGAACTTAAATTTTAGTTCTTACTGCTTAATTCAAAT
AATAATTAGTAAGCTAGCAAATAGTAATCTGTAAGCATAGCTTATGCTTAAATCAAGTTAGTTTGA
GGAATCTTTAAAATTACAATAAGTGATTTGTATGTCTATTTTTTTCAGTTTATTTGAACCAATAAAA
TAATTTTATCTTTCTTTCTGTTGTGCATTCAGTTTCTAAAACCATTAAGTTTCTACTCCATTTACAT
TCAAAAATCTTAAATACTTTACTTGCAAGAGTATTTTGTCTCAAATACAACAACCTAAGAGCAGCTGGA
GATGAAATATTGGGAAATTCATTTGCTTACTCCTGAAGACAAAAATATAGCTGAGATGACCACTGGATT
TAATATCGTTATGCTGGCCCAACATTGCTACCATTGTGTGTCTGTGATCAAAATGATTATCTTTTAT
ATAGGAAGATGACGCTTCTGGATATTGCTTTCCTTCTCTCCACGTTAGCAAGGACAATGCTTCTC
TGCCATTATTACAATACTAGTTAGTTTGCATGGAGAATCTTACTTTAAAATTGGAAGAAAAGTCACAAGT
GAATGTTTATAAAAATGCTAAAGAAGTCAATCTTGTCTTGAATCATATAGAAACATCATGCAATCTTT
TAGTCAGATGTGCGCTTACCTTATGCTATTTTTATCTTTAATTGACACACAATAATTGTACATGTTTA
TGGAGTATAGTGTGGTGTCTTCTGTTTGTGTTGTTTTTGTGAGACAAGGTCTCACTCTGCCAGTCAG
GGTGGAGTGCGATGGT
ACGCGTAAAGCGCCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** Sgfl-MluI



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_001128830.4</a>
<b>Summary:</b>	Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. This CA1 gene is closely linked to the CA2 and CA3 genes on chromosome 8. It encodes a cytosolic protein that is found at the highest level in erythrocytes. Allelic variants of this gene have been described in some populations. Alternative splicing and the use of alternative promoters results in multiple transcript variants. [provided by RefSeq, Nov 2016]
<b>Locus ID:</b>	759
<b>MW:</b>	38.4