

Product datasheet for **SC201111**

Carbonic Anhydrase IV (CA4) (NM_000717) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Carbonic Anhydrase IV (CA4) (NM_000717) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CA4
Synonyms:	CAIV; Car4; RP17
ACCN:	NM_000717
Insert Size:	152 bp
Insert Sequence:	>SC201111 3'UTR clone of NM_000717 The sequence shown below is from the reference sequence of NM_000717. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GCCTGCCTGCTGGCCGGCTTCTGCGATGATGGCTCACTTCTGCACGCAGCCTCTCTGTTGCCTCAGCT CTCCAAGTTCAGGCTTCCGGTCTTAGCCTTCCAGGTGGGACTTTAGGCATGATTAATAATATGGACA TATTTTTGGAGAAA ACGCGT AAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	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).
Components:	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.
RefSeq:	<u>NM_000717.5</u>



[View online »](#)

Summary:

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 gene encodes a glycosylphosphatidyl-inositol-anchored membrane isozyme expressed on the luminal surfaces of pulmonary (and certain other) capillaries and proximal renal tubules. Its exact function is not known; however, it may have a role in inherited renal abnormalities of bicarbonate transport. [provided by RefSeq, Jul 2008]

Locus ID:

762

MW:

5.5