

## Product datasheet for **SC201197**

### Carbonic Anhydrase XI (CA11) (NM\_001217) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Carbonic Anhydrase XI (CA11) (NM_001217) Human 3' UTR Clone
Symbol:	Carbonic Anhydrase XI
Synonyms:	CA-RP; CA-RP II; CA-XI; CARP-2; CARPX1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001217
Insert Size:	203 bp
Insert Sequence:	>SC201197 3'UTR clone of NM_001217 The sequence shown below is from the reference sequence of NM_001217. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA <b>GCGATCGCC</b> CATGTGGATGGTGTCCCCATGGTCGC <b>TGA</b> GA <b>CT</b> CCCCTTCGAGGATTGCACCCGCCCGTCCTAAGCCT CCCCACAAGGCGAGGGGAGTTACCCCTAAAACAAAGCTATTAAGGGACAGAATACTTCTGTTTTCTC AGTGGTCTGATTCTAGGCGCGGTGGGAAACATTTGGGTATTAAGAACAGACTTCTCCGGAAA <b>ACGCGT</b> AAGCGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA 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><a href="#">NM_001217.5</a></u>



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**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. CA XI is likely a secreted protein, however, radical changes at active site residues completely conserved in CA isozymes with catalytic activity, make it unlikely that it has carbonic anhydrase activity. It shares properties in common with two other acatalytic CA isoforms, CA VIII and CA X. CA XI is most abundantly expressed in brain, and may play a general role in the central nervous system. [provided by RefSeq, Jul 2008]

**Locus ID:**

770

**MW:**

7