

Product datasheet for **SC210807**

Carbonic Anhydrase III (CA3) (NM_005181) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Carbonic Anhydrase III (CA3) (NM_005181) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: CA3
Synonyms: CAIII; Car3
ACCN: NM_005181
Insert Size: 917 bp
Insert Sequence: >SC210807 3'UTR clone of NM_005181
The sequence shown below is from the reference sequence of NM_005181. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AACAGGGTGGTGAGAGCTTCCTTCAAAATGAGGCTGCTGGATCTTGCCTCTTCAGGAAAGGAAACCTAC
CATTGGAGAGCTTGTTCCCTTGCCTCTTCTGGTGCCTTACTCCAAGTCTATTTTCATTTTTCCACAC
TGAGCAATGAATGTGAGAGATGTGGTCACCAAGATCTAAGTACTTGTGAAAGAAAGTTACTTTTCGAC
AAGATCTAATATGAAAGCATAGATTTTCACATTTGATCTCTGTAATAATCATCTTTCTATAAAAAGTAGC
ATTTTTGGTAAAGTTTCAAAGAAGAAGAAACAGAGATGGAAGAGTAAAGATATTTTTAAAATGGCTAGC
TATTGGGCACCAGTTTTTCTGTTATCTAAAATTTACACAACTTCATTGTTTTTATTTTATATTATGA
GTTGTCCATCTTAAAGAAATATGAGTAATTCTACATGTAGTAGAGGTGTATGAAGATCATATAACAATT
AAACATAAGCCAGAAATTAAGTACTATAGACAGCAAGAATTGAGCTAATAATATGTTTTAACTCTTA
ACACCAGCAAGAAGTCAGTCATTTATTGAAGTTTTAGCTACTAAGTACTTGGTTTTGATTACCAGTG
AAAAGAAAACACAATACAATCAGGAGTTTTCAAATTTTTGATTTCAGTATTTGAATTTCTTCTTCATAAA
TGTAGTTGAATTTATCCTAGTATTTTTCTTACCTGAAGGAGGGCCATTTATTTTAATTTCACTACAT
TTTTCTTTCATGATTATTAATAAAAATAAACTGCCTCTGTTGTGTTTCTCACTGGAGGCTGGAATGAATG
ATCACTAGAACACAAAAGAGTGAATGATGACACTTGAAGTCAAAGCAGTTGACTGATCACCAGAACCA
ATAAAGACATAAATGGAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-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).



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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_005181.4</u>
Summary:	Carbonic anhydrase III (CAIII) is a member of a multigene family (at least six separate genes are known) that encodes carbonic anhydrase isozymes. These carbonic anhydrases are a class of metalloenzymes that catalyze the reversible hydration of carbon dioxide and are differentially expressed in a number of cell types. The expression of the CA3 gene is strictly tissue specific and present at high levels in skeletal muscle and much lower levels in cardiac and smooth muscle. A proportion of carriers of Duchenne muscle dystrophy have a higher CA3 level than normal. The gene spans 10.3 kb and contains seven exons and six introns. [provided by RefSeq, Oct 2008]
Locus ID:	761
MW:	36.2