

Product datasheet for **SC302994**

CA6 (NM_001215) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CA6 (NM_001215) Human Untagged Clone
Tag:	Tag Free
Symbol:	CA6
Synonyms:	CA-VI; GUSTIN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001215 edited
ATGAGGGCCCTGGTGCTTCTGCTGTCCCTGTTCCCTGCTGGGTGGCCAGGCCAGCATGTG
TCTGACTGGACCTACTCAGAAGGGGCACTGGACGAAGCGCACTGGCCACAGCACTACCCC
GCCTGTGGGGCCAGAGACAGTCGCCTATCAACCTACAGAGGACGAAGGTGCGGTACAAC
CCCTCCTTGAAGGGGCTCAATATGACAGGCTATGAGACCCAGGCAGGGGAGTTCCCCATG
GTCAACAATGGCCACACAGTGCAGATCAGCCTGCCCTCCACCATGCGCATGACAGTGGCT
GACGGCACTGTATACATAGCCCAGCAGATGCACTTTCCTGAGGGAGTGCCTCCTCGGAG
ATCAGCGGCTCTGAGCACACCGTGGACGGGATCAGACATGTGATCGAGATTCACATTGTT
CACTACAATTCTAAATACAAGAGCTATGATATAGCCCAAGATGCGCCGGATGGTTTGGCT
GTACTGGCAGCCTTCGTTGAGGTGAAGAATTACCCTGAAAACACTTATTACAGCAACTTC
ATTTCTCATCTGGCCAACATCAAGTACCCAGGACAAAGAACAACCCTGACTGGCCTTGAC
GTTCAGGACATGTGCCCAGGAACCTCCAGCACTACTACACCTACCATGGCTCACTCACC
ACGCCTCCCTGCACTGAGAACGTCCACTGGTTTGTGCTGGCAGATTTTGTCAAGCTCTCC
AGGACACAGGTTTGAAGCTGGAGAATTCCTTACTGGATCACCGCAACAAGACCATCCAC
AACGATTACCGCAGGACCCAGCCCTGAACCACAGAGTGGTGAATCCAACCTCCCGAAT
CAGGAATACACTTAGGCTCTGAATTCAGTTTTACCTACATAAGATTGAGGAAATCTT
GACTACTTAAGAAGAGCATTGAAGTGA

Restriction Sites: Please inquire

ACCN: NM_001215

Insert Size: 900 bp

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).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001215.2 , NP_001206.2
RefSeq Size:	1339 bp
RefSeq ORF:	927 bp
Locus ID:	765
UniProt ID:	P23280
Cytogenetics:	1p36.23
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Nitrogen metabolism
Gene Summary:	<p>The protein encoded by this gene is one of several isozymes of carbonic anhydrase. This protein is found only in salivary glands and saliva and protein may play a role in the reversible hydration of carbon dioxide though its function in saliva is unknown. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes a 308aa isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>