

Product datasheet for **SC330854**

CA6 (NM_001270501) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CA6 (NM_001270501) Human Untagged Clone
Tag: Tag Free
Symbol: CA6
Synonyms: CA-VI; GUSTIN
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330854 representing NM_001270501.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

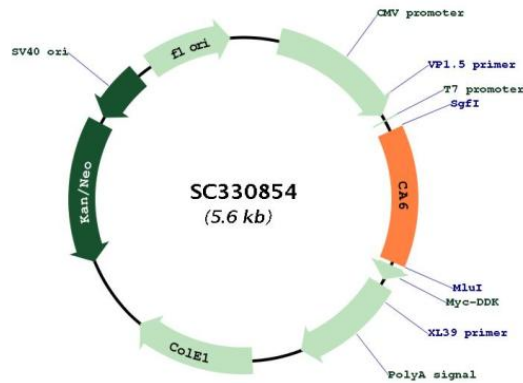
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ATGAGGGCCCTGGTGCTTCTGCTGTCCCTGTTCCCTGCTGGGTGGCCAGGCCAGCATGTGTCTGACTGG
ACCTACTCAGTGCAGATCAGCCTGCCCTCCACCATGCGCATGACAGTGGCTGACGGCACTGTATACATA
GCCCAGCAGATGCACTTTCACTGGGGAGGTGCGTCCTCGGAGATCAGCGGCTCTGAGCACACCGTGGAC
GGGATCAGACATGTGATCGAGATTCACATTGTTCACTACAATTCTAAATAACAAGAGCTATGATATAGCC
CAAGATGCGCCGGATGGTTTGGCTGTACTGGCAGCCTTCGTTGAGGTGAAGAATTACCCTGAAAACACT
TATTACAGCAACTTCATTTCTCATCTGGCCAACATCAAGTACCCAGGACAAAGAACAACCCTGACTGGC
CTTGACGTTCCAGGACATGCTGCCAGGAACCTCCAGCACTACTACACCTACCATGGCTCACTCACCACG
CCTCCCTGCACTGAGAACGTCCACTGGTTTGTGCTGGCAGATTTTGTCAAGCTCTCCAGGACACAGGTT
TGGAAAGCTGGAGAATTCCTTACTGGATCACCGCAACAAGACCATCCACAACGATTACCGCAGGACCCAG
CCCCTGAACCACAGAGTGGTGAATCCAACCTCCCGAATCAGGAATACACTCTAGGCTCTGAATTCAG
TTTTACCTACATAAGATTGAGGAAATCTTGACTACTTAAGAAGAGCATTGAACTGA
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Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:



ACCN: NM_001270501

Insert Size: 747 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).

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:

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_001270501.1](#)

RefSeq Size: 1198 bp

RefSeq ORF: 747 bp

Locus ID: 765

UniProt ID: [P23280](#)

Cytogenetics: 1p36.23

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Nitrogen metabolism

MW: 28.7 kDa

Gene Summary: 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]

Transcript Variant: This variant (3) lacks an in-frame exon in the 5' coding region, compared to variant 1. The resulting isoform (3) lacks an internal segment, compared to 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.