

Product datasheet for SC126026

CA6 (BC034350) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CA6 (BC034350) Human Untagged Clone
Tag: Tag Free
Symbol: CA6
Synonyms: CA-VI; carbonate dehydratase VI; carbonic anhydrase VI; GUSTIN; MGC21256; OTTHUMP0000001699; salivary carbonic anhydrase; secreted carbonic anhydrase
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None
Fully Sequenced ORF:

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>OriGene sequence for BC034350 edited
GCACCATGAGGGCCCTGGTGCTTCTGCTGTCCCTGTTCCCTGCTGGGTGGCCAGGCCCAGC
ATGTGTCTGACTGGACCTACTCAGAAGGGGCACTGGACGAAGCGCACTGGCCACAGCACT
ACCCCGCCTGTGGGGCCAGAGACAGTCGCCTATCAACCTACAGAGGACGAAGGTGCGGT
ACAACCCCTCCTTGAAGGGGCTCAATATGACAGGCTATGAGACCCAGGCAGGGGAGTTCC
CCATGGTCAACAATGGCCACACAGATTGGCAGGCGGAAGCTTTCCTCCCCTCCTTGTCTCT
CTCCTTGTGGAGAAGGGGCGAAGCACAAAGGCCAAAGGCAGTGGCTTTGTTACCCCTCCC
TGGACAGCTGGTGGGAAGCAATCATTGATGGAGGATCTCTATGGGCAACGCTTGCTGAGT
GCGGGCTTCGTGCTGAGGGCCCAGAAGAGGGAAGGCATATGGAAGAGAAGAGCCAGCTT
CCCAAGGGGCTTGCAGCGGCTCCCGCTCCCAATTTCCAGAGGACCTGTACCTTCTTCC
TTTAGGGCTCTGCTCAAATTTCTGTGGTCCGGAAGCCTGTTCCCTTTGGGGTTCTCACCTC
ACACGACAGCATGTCGGACATTAGAGTGGACCCAAAGTTCACATTAATTATATATATATT
AAAAACAATTTTTTTTTTTGAGATGGAGTCTTGCTCTGTACCCCGGCTGGAGTGCAGTG
GTGCAATCTTGGCTCACTGAAACCTCCACTTCCCAGATTCAAGCAATTCTCCTGCCTCAG
CTTCCCTGGTACCTGGGACTACAGGCATGTGCCACCACGCCAGCTAATTTTTGTATTTT
TAGTAGAGATGCGGTTTTGTCTACTGGCCAGTCTGGTCTCGAACTCCTTGCCCTCAAGTG
CTCTGCCACCTTGGCCTCCCAAAGTGTGAGATTATATGCATAAGCCACCGTGCCGAGC
CTGATATAAAGTATTTTGAAGATTTTTATAATTTAGCTTTTGAAGTTATTTGGCTATTG
CCATTGGCTACTTTTTCAGCAAGCTCCAAGCACATTCAGGAATTTCTACTGAAGGGGAAAA
AAAGCTAATCTACAACTTTGAATCTAATGAGATTTTGTGATGAACACTAAGCTTAACAGTA
AAGTTGACATGACGTATTAAGATTTGTTAATTTTTAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC034350 unedited NNNGGGTCAAATTGTATACGACTCACTATAGGCGGCCGGAATCAAATCTGGTACCGGT CCGGAATCCCGGGNAGCACCATGAGGGCCCTGGTGTCTTGCTGTCCCTGTTCTGCTG GGTGGCCAGGCCAGCATGTGTCTGACTGGACCTACTCAGAAGGGGCACTGGACGAAGCG CACTGGCCACAGCACTACCCGCCTGTGGGGCCAGAGACAGTCGCCTATCAACCTACAG AGGACGAAGGTGCGGTACAACCCCTCCTTGAAGGGGCTCAATATGACAGGCTATGAGACC CAGGCAGGGGAGTCCCATGGTCAACAATGGCCACACAGATTGGCAGGGGGAACCTCTTC CTCCCCTCCTTGCTCTCCTTGTGGAGAAGGGGCGAAGCACAAAGGCCAAAGGCAGTGG CTTTGTTCAACCCTCCCTGGACAGCTGGTGGGAAGCAATCATTGATGGAGGATCTCTATGG GCAACGCTTGCTGAGTGCGGGCTTCGTGCTGAGGGCCAGAAGAGGGAAGGCATATGGAA GAGAAGAGCCCAGCTTCCAAGGGGCTTGACAGCGGCTCCCGCCTCCCAATTTCCAGAGGA CCCTGTACCTTCTCCTTAGGGCTCTGCTCAAATTTCTGTGGTCCGGAAGCCTGTTCTCT TTGGGGTTCTCACCTCACAGCAGCATGTCGGACATTAGAGTGGACCCAAAGTTACAT TAATTATATATATATAAAAAACAATTTTTTTTTTTGAGATGGAGTCTTGCTCTGACCC CGGCTGGAGTGCAAGTGGTCAATCTTGGCTCACTGAAACCTCCACTTTCAGATTCAAGC AATTCTCTGCCTCAGCTTCCCTGGTACCTGGGACTACANGCATGTGCCACCACGCCAA
Restriction Sites:	NotI-NotI
ACCN:	BC034350
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:	<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:	BC034350.1 , AAH34350.1
RefSeq Size:	1206 bp
Locus ID:	765
Cytogenetics:	1p36.23
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Nitrogen metabolism
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]