

Product datasheet for SC303427

CAPS (NM_004058) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CAPS (NM_004058) Human Untagged Clone
Tag:	Tag Free
Symbol:	CAPS
Synonyms:	CAPS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303427 representing NM_004058. Blue=Insert sequence Red=Cloning site Green=Tag(s)

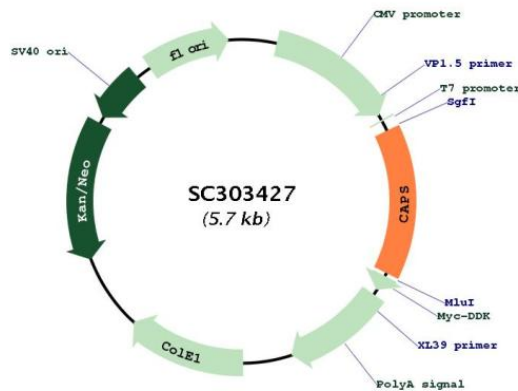
```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCAGTGCCACAGGGATCTGGCTCTGTCCCAGGCCCTGTGGGGCTGGCAGTTGAGTAAGCAGTCAGGC
TGGGGCGACCCATCCCTCCCCACTCCCCACTGCCAGCACAGTGCATTCATGCAGCTGGGCCCCACCC
CATCTCCAGAGGCACCTTCCACTAGCAACAGTCTCCCCAGGCACAACACAGCTAACACAAGGCCCCGCA
GGCAGGACTCTGGGACAGACGCAGGCCAGCTGCCAGAGCCAGACCAAGCATGGACGCCGTGGATGCC
ACCATGGAGAAACTCCGGGCACAGTGCCTGTCCC GCGGGCCTCGGGCATCCAGGGCCTGGCCAGGTTT
TTCCGCCAACTAGACCGGGACGGGAGCAGATCCCTGGACGCTGATGAGTTCGGCAGGGTCTGGCCAAA
CTCGGGCTGGTGCTGGACCAGGCGGAGGCAGAGGGTGTGTGCAGGAAGTGGGACCGCAATGGCAGCGGG
ACGCTGGATCTGGAGGAGTTCCTTCGGGCGCTGCGGCCCCCATGTCCCAGGCCCGGAGGCTGTCATC
GCAGCTGCATTTGCCAAGCTGGACCGCAGTGGGGACGGCGTCGTGACGGTGGACGACCTCCGCGGGGTG
TACAGTGGCCGTGCCACCCCAAGGTGCGCAGTGGGGAGTGGACCGAGGACGAGGTGCTGCGCCGCTTC
CTGGACAACCTCGACTCCTCTGAGAAGGACGGGCAGGTACACTGGCGGAATTCAGGACTACTACAGC
GGCGTGAGTGCCATGAACACGGATGAGGAGTTCGTGGCCATGATGACCAGTGCTGGCAGCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_004058

Insert Size: 828 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).

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:

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_004058.4](#)

RefSeq Size: 2151 bp

RefSeq ORF: 828 bp

Locus ID: 828
UniProt ID: [Q13938](#)
Cytogenetics: 19p13.3
MW: 30.2 kDa

Gene Summary: This gene encodes a calcium-binding protein, which may play a role in the regulation of ion transport. A similar protein was first described as a potentially important regulatory protein in the dog thyroid and was termed as R2D5 antigen in rabbit. Alternative splicing of this gene generates two transcript variants. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). CCDS Note: The coding region has been updated to shorten the N-terminus to one that is more supported by conservation.