

Product datasheet for SC123108

CAPS (NM_080590) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CAPS (NM_080590) Human Untagged Clone
Tag:	Tag Free
Symbol:	CAPS
Synonyms:	CAPS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_080590 edited
GGCACGAGGCAGTCTCCCAGGCACAACACAGCTAACACAAGCCCCGAGGCAGGACTC
TGGGACAGACGCAGGCCAGCTGCCAGAGCCAGACCAAGCATGGACGCCGTGGATGCCA
CCATGGAGAAACTCCGGGCACAGTGCCTGTCCCGCGGGGCTCGGGCATCCAGGGCCTGG
CCAGGTTTTTCCGCCAACTAGACCGGGACGGGAGCAGATCCCTGGACGCTGATGAGTTCC
GGCAGGGTCTGGCCAACTCGGGCTGGTGTGGACAGGCGGAGGCAGAGGGTGTGTGCA
GGAAAGTGGGACCGCAATGGCAGCGGGACGCTGGATCTGGAGGAGTTCCTTCGGGCGCTGC
GGCCCCCATGTCCAGGCCCGGGAGGCTGTATCGCAGCTGCATTTGCCAAGCTGGACC
GCAGTGGGACGGCGTGTGACGGTGGACGACCTCCGCGGGGTGTACAGTGGCCGTGCC
ACCCCAAGGTCACACTGGCGGAATTCAGGACTACTACAGCGGCTGAGTGCCTCCATGA
ACACGGATGAGGAGTTCGTGGCCATGATGACCAGTGCCTGGCAGCTGTGAGCAGTCCGG
CTCAGCCCTGCTGCCCTGGCCTGTCACTCCCCACCCCTGCCGGAGACCTCCCTTCCTGG
GCCCTTCTCTCCTGGGCAGCCACACCAGAGCGGGGAGGGGCAGGTGGGGGAATGGAG
GCTGCAGGACTGGCTAGACCAGGTCCTGCGGTCACACCAGGCGGAGGTGGGACAAAGGT
CCTAACAGGAGTCACTGGCTCAGGACCCAGGGAGAAACGCTCTCCCCACCCAGGCCATG
CTGACCAGAGGTCTTGCAGCCCCGTGGATGCCCCGCCGAGGTCCCCGATCCCCGCTC
TGTGGTGTGGCTGCCAGGAGAGAAGGGGCCACAGAGCGGGGAGGGGCAGGTGGGGGAAT
GGAGGCTGCAGGACTGGCTAGACCAGGTCCTGCCGTCACACCAGGCGGAGGTGGGACAA
AGTTCCTAACAGGAGTCACTGGCTCAGGACCCAGGGAGAAACGCTCTCCCCACCCAGGC
CATGTGACCAGAGGTCTTGCAGCCCCGTGGATGCCCCGCCGAGGTCCCCGATCCCC
GCACCCGACTGTGCTCCCTGCCCTCCCTTGCGGTCCCCAGGAAGCCAGGTGACCC
CAGGTGGGAGGCTGTGTGTGGAGCCATCCTGGAAGGAAGTTAGACCTGCCAGGTGTG
GAGCGAGGGGCACAGGGGCATCCTAACCTCAGAAACTGAAATAAAGCCTTTGAAAAAAA
AAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_080590 unedited CACGAGGCATCTCCCATGCACAACACAGCTAACACAAGGCCCGCAGGCAGGACTCTGG GACAGACGCAGGCCAGCTGCCAGACCCAGACAAGCTGGACGCCGTGGATGCCACCATGG AGAAACTCCGGGCACAGTGCCTGTCCCGCGGGGCTCGGGCATCCAGGGCCTGGCCAGGT TTTTCCGCCAACTAGACCGGGACGGGAGCAGATCCCTGGACGCTGATGAGTTCGGCAGG GTCTGGCCAACTCGGGCTGGTGTGGACCAGGCGGAGGCAGAGGGTGTGTGCAGGAAGT GGGACCGCAATGGCAGCGGGACGCTGGATCTGGAGGAGTTCCTTCGGGCGCTGCGGCCCC CCATGTCCCAGGCCCGGAGGCTGTCATCGCAGCTGCATTTGCCAAGCTGGACCGCAGTG GGGACGGCGTCTGTGACGGTGGACGACCTCCGCGGGGTGTACAGTGGCCGTGCCACCCCA AGGTCACACTGGCGGAATTCCAGGACTACTACAGCGGCGTGAGTGCCTCCATGAACACGG ATGAGGAGTTCGTGGCCATGATGACCAAGTGCCTGGCAGCTGTGAGCAGCTCCGGCTCAGC CCTGCTGCCCTGGCTGTACTCCACCCTGCCGGAGACCTCCTCCCTGGCCTNTTT TTTNNN
Restriction Sites:	Please inquire
ACCN:	NM_080590
Insert Size:	1332 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:	<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:	<u>NM_080590.1</u> , <u>NP_542157.1</u>
RefSeq Size:	1166 bp
RefSeq ORF:	489 bp
Locus ID:	828
UniProt ID:	<u>Q13938</u>
Cytogenetics:	19p13.3

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 (2) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. It encodes isoform b, which is shorter than isoform a. CCDS Note: The coding region has been updated to shorten the N-terminus to one that is more supported by conservation.