

## Product datasheet for **SC126896**

### CAPRIN2 (NM\_023925) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CAPRIN2 (NM_023925) Human Untagged Clone
Tag:	Tag Free
Symbol:	CAPRIN2
Synonyms:	C1QDC1; EEG-1; EEG1; RNG140
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_023925, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGTACAAGTATCTCAAGCATCATTGGGTTTCGAGCTCACTTCTGTGAAAAAGAGTTAAGGGAGT
GGTCTAGACTTTCCAGGGAAGTTATTGCCTGGCTGTGTCCCTCTAGTCTAATTTTATACTTAACTTTCC
CCCACCTCCTTCAGCCTCATCTGTTTCAATGGTCAACTCTTTTCATCCCCTTTGGTTACCAGTCACTT
TCAGGCCATTAGAGGAGAAAGAGAGGGGAATATGAAGTCAGCCAAGCCCAAGTGAACCACAGTCAGC
ATGGGAAAGCCAGCGGGCCTTGAGCCCCCTGCAGTCTACTCTGAGTTCTGCTGCATCTCCTTCCCAAGC
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CAGGAGACACAAAGCTGTGGCCAGTTCAGCTGCAGAAAGAACAAGATCCAAAGAAGCAAACTCCAAGT
CTTGACACCTTCCATGCAGAGCGAACAGAACACCACCAAGTCATGGACCACTCCCATGTGTGAAGAACA
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TCACAGTCACAGATTTCTCCAAAGTCCTGGGGAGTAGCTACAGCAAGCCTCATACCAAATGACCAGCTGC  
 TGCCCAGGAAGTTGAACACAGAACCCTAAAGATGTGCCTAAGCCTGTGCATCAGCCTGTAGTTCTTCCCTC  
 TACCCCTCCGAAGGATCCAGTATTGAGGAAAGAAAACTGCAGGATCTGTGACTCAGATTCAAGGAACT  
 TGTAACTTTATGCAAGAGTCTGTTCTTGACTTTGACAAACCTTCAAGTGAATCCAACGTCACAACCGC  
 CTTCAGCTACTCCAGGTAGCCCCGTAGCATCTAAAGAACAAAATCTGTCCAGTCAAAGTGATTTTCTTCA  
 AGAGCCGTTACAGGCTACTTCTTCTCCAGTTACTTGTAGCTCAAATGCTTGCTTGGTACTACCGATCAG  
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 TGGCAGTGAATGTCCACTGTATGTCAACCTCATGAAGAATGAAGAGGTCTTGGTATCAGCCTATGCCAA  
 TGATGGTGCTCCAGACCATGAACTGCTAGCAATCATGCAATTTTCAGCTCTTCCAGGGAGACCAGATA  
 TGGTTACGTCTGCACAGGGGAGCAATTTATGGAAGTAGCTGGAATATTCTACGTTTTCAGGCTATCTTC  
 TTTATCAAGATTGA

**5' Read Nucleotide  
Sequence:**

>OriGene 5' read for NM\_023925 unedited  
 GAGGGGTGCGTTTTCCGAGGTCAGCCTCCCCGGGGCCTTGCAGAAGCGGCTTCTGCGT  
 ACCCGGGGCGGCTGTGGGAAGGGTGGGGTCCGTGCCTGCAGGGCTCTCCGTGGCCGCTC  
 GGGAGAGGTGCTCTTTCGCTCAGGCTCCCCGGAGACTTGAGGGGTGCGCGCTGGCGTGC  
 ATGGGGCCTGTTCTGCTTGGTTTGGGATGCTCCTAAGGGGGAGAAAGGGATACCTC  
 GGGTGCTTGGAGGTCGAGAGACGGATACGTAAGTGCGCAAGGGCCACTGATTAGGGCACG  
 GGAAGGGCTCGCTAGAATGAGCTCTTAACTGGTTGGGTGTAAGCGGTTTTGGGCTAGTC  
 TAAACCAACAACCTGAGAATAAACCGGGGTTCTGCAGGTTGAGAGGTACCTGTCTGC  
 AAATGTCCAGTAGTGATGGATTGCCTTGTAGGCCCCAGAGCAATCGGGGAAGTTAGCATT  
 CTTGTTCAAGAAGCTGCTGGTTCACCTTAGAGCTATAAAAGAATGTTGTGAGTTTGGATTT  
 TCTTCAAACGTTTCAAGATTGAGGTTAGGGCTGGTGGTGGAGGGATCATGTAAGANGTTT  
 GAGTGGCTCANCCTTANGTCCCCGTGTGGGAAAGCTTATTCTTTTGGTGCATCACGTGG  
 CCATGGGAATTTTANAATGTGATCTGCCCTCATGANAANAAGGAGCTCTGAANCCGT  
 TGCAAGTTCTTTCTTCTATGTGGAAAATCGAATTTCTGGAACATCCTNCGTATTGGGAA  
 NATTTTGCCTATGTAAAGGCTAT

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_023925 unedited ATACTAGNACCGCGCCGAATCTAGGATCGGTTTTTTTTTTTTTTTTTTTTTGCATGTA ACTTTTTTATTGAGGCACAACAAGGCATTGTAACCTGCCTGGACTTGAGGCAGTCAGTTT AGTAAGCTGAACGTTAATACAGTTAAGGATTAAGTGCAAACAATATACATTACAGCTTG ACTAGCGAGGCTACATCACAATTTATAAAGTGCCAGATTAGTGCTAATTGTCATTAGCT TGATTTTTACCTCAGGAAGGAAAAACAAAAAGTAAGGACCTCCTCCCTCTAGGAACAAA AACATTTTCCTAAACCAATCAGTCATGAGGGCAAAGACTACTTTTCCTTCAATCCCCTA ATTAGAACCACCTCCTTTTATTGTCAATACTGTACTGACTTTCAATCTTGATAAAGAAGA TAGCCTGAAAACGTAGAATATTTCCAGCTACTTCCATAAATTGCTCCCTGTGCAGACGT AACCATATCTGGTCTCCCTGGAAGAGCTGAAGAATTGCATGATTGCTAGCAGTTTCATGG TCTGGAGACCATCATTGGCATAGGCTGATACCAAGACCTCTTCATTCTTCATGAGGTTG ACATACAGTGGCACATTCAGTCCAGCTTTAGCATGTGAAAAATGAAAACGGTAGTGCCA TTCCTGGGCAATTAATCTACCAAGCTGAAGATCAAAAGTTTCTCCTAAGTTGTTGAGA AGAAGATCANACACAATAGGTGGGTCTAAAGTTCCAAGGCCAGATTAGAGGTTCTGGCT GCTGAGAAAGCAACTCGCATCTGCTGAAGCAGAAGGTANACGTGTACTGGCAGTATGGTG GCTGCTGGATTTGCTACTGCCACATCCCCGGGGTTCATGCTCCGGGAGTCTCCTGGCCAG AGTCACCTGGTAAAGGTTCCGTGCCCTTCCGGGCGGCTAAC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_023925
<b>Insert Size:</b>	4700 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_023925.3</a> , <a href="#">NP_076414.2</a>
<b>RefSeq Size:</b>	4351 bp
<b>RefSeq ORF:</b>	3234 bp
<b>Locus ID:</b>	65981
<b>UniProt ID:</b>	<a href="#">Q6IMN6</a>
<b>Cytogenetics:</b>	12p11.21
<b>Domains:</b>	C1Q

**Gene Summary:**

The protein encoded by this gene may regulate the transport of mRNA. It may play a role in the differentiation of erythroblasts. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2016]

Transcript Variant: This variant (2, also known as EEGL) lacks an alternate in-frame exon and uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.