

## Product datasheet for RC224862

### CAPRIN2 (NM\_023925) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CAPRIN2 (NM_023925) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CAPRIN2
Synonyms:	C1QDC1; EEG-1; EEG1; RNG140
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC224862 representing NM_023925 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGTACAAGTATCTCAAGCATCATTGGGTTTCGAGCTCACTTCTGTGAAAAGAGTTAAGGGAGT  
GGTCTAGACTTTCCAGGGAAGTTATTGCCTGGCTGTGTCCCTCTAGTCTAATTTTATACTTAACTTTCC  
CCCACCTCCTTCAGCCTCATCTGTTTCAATGGTCAACTCTTTTCATCCCCTTTGGTTACCAGTCACT  
TCAGGCCATTAGAGGAGGAAAGAGAGGGGAATATGAAGTCAGCCAAGCCCAAGTGAACACAGTCAAGC  
ATGGGGAAAGCCAGCGGGCCTTGAGCCCTGCAGTCTACTCTGAGTTCTGCTGCATCTCCTTCCCAAGC  
GTATGAGACCTATATTGAAAATGGACTCATATGCCTTAAACACAAAATTAGAAAACATCGAGAAAAAGAAG  
CTCAAACCTGGAGGATTATAAGGATCGCCTGAAAAGTGGAGAGCATCTTAATCCAGACCAGTTGGAAGCTG  
TAGAGAAATATGAAGAAGTGCTACATAATTTGGAATTTGCCAAGGAGCTTCAAAAACCTTTTCTGGGTT  
GAGCCTAGATCTACTAAAAGCGCAAAAGAAGGCCAGAGAAGGGAGCACATGCTAAAACCTTGAGGCTGAG  
AAGAAAAGCTTCGAACATACTTCAAGTTCAGTATGTATTGCAGAACTTGACACAGGAGCACGTACAAA  
AAGACTTCAAAGGGGTTTGAATGGTGCAGTGTATTTGCCTTCAAAGAAGCTTACTACCTCATTAAAGTT  
TTCAAACCTGACCTGCCCTGAAAAGAAATGAAAGTCTGAGTGTGAAGACCAGATGGAGCAGTCACTCTTG  
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AGTACCCTGGAGGAAGAAATGCTAATACAATCAGAGAAAAAACACAATTATCGAAGACTGAATCTGTC  
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AAGACACCTCAAACTCAGGTCTACTCTGCCGGAAGAGCAGAAGAAGCAGGAGATCTCAAATCCAAGCC  
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CAGGAGACACCAAAGCTGTGGCCAGTTCAGCTGCAGAAAAGAACAAGATCCAAGAAGCAAACCTCAAAGT



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CTTGGACACCTTCCATGCAGAGCGAACAGAACACCACCAAGTCATGGACCACTCCCATGTGTGAAGAACA  
 GGATTCAAAACAGCCAGAGACTCCAAAATCCTGGGAAAACAATGTTGAGAGTCAAAAACACTCTTTAAACA  
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 TTTATCAAGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC224862 representing NM\_023925

Red=Cloning site Green=Tags(s)

MEVQVSQASLGFELTSVEKSLREWSRLSREVIAWLCPSSPNFILNFPPPSASSVSMVQLFSSPFGYQSP  
 SGHSEEEERGNMKSAPQVNHSHGESQRAL SPLQSTLSSAASPSQAYETIENGLICLKHKIRNIEKKK  
 LKLEDYKDRKSGEHLNPDQLEAVEKYEEVLHNLEFAKELQKTF SGLSLDLLKAQKKAQRREHMLKLEAE  
 KKKLRTILQVQYVLQNLQEHVQKDFKGLNGAVYLP SKELDYL IKFSKLTCPERNESL SVEDQMEQSSL  
 YFWDLLLEGSEKAVVGTTYKHLKDLLSKLLNSGYFESIPVPKNAKEKEVPLEEEMLIQSEKKTQLSKTESV  
 KESESLMEFAQPEIQPQEF LNRRYMTEVDYSNKQGEEQPWEADYARKPNL PKRWDMLETPDGGQEKQESF  
 KSWEASGKHQEVSKPAVSLEQRKQDTSKLRSTLPEEQKKQEI SKSKPSPSQWKQDTPKSKAGYVQEEQKK  
 QETPKLWPVQLQKEQDPKKQTPKSWTPSMQSEQNTTKSWTTPMCEEQDSKQPETPKSWENNVESQKHSLT  
 SQSQISPKSWGVAATASLIPNDQLLPRKLNTEPKDVPKPVHQPVGSSSTLPKDPVLRKEKLQDLMTQIQGT  
 CNFMQESVLD FDKPSSAIPTSQPPSATPGSPVASKEQNLSSQSDFLQEPLQATSSPVTCSSNACLVTTDQ  
 ASSGSETEFMTSETPEVFNVNAPLPPRKEQEI KESPYSPGYNQSF TASTQTTPQCQLPSIHVEQTVHSQ  
 ETANYHPDGTIQVSNGLAFYPAQTNVFPRPTQPFVNSRGSVRGCTRGGRLITNSYRSPGGYKGFDTYRG  
 LPSISNGNYSQLQFQAREYSGAPYSQRDNFQCCYKRGGTSGGPRANSRAGWSDSSQVSSPERDNE TFNSG  
 DSGQGDSRSMTPVDVPVTNPAATILPVHVYPLPQQMRVAF SAARTSNLAPGTL DQPIVFDLLLNNLGETF  
 DLQLGRFNCPVNGTYVFI FHMLKLA VNVPLPVNLMKNEEVLVSAYANDGAPDHETASNHAILQLFQGDQI  
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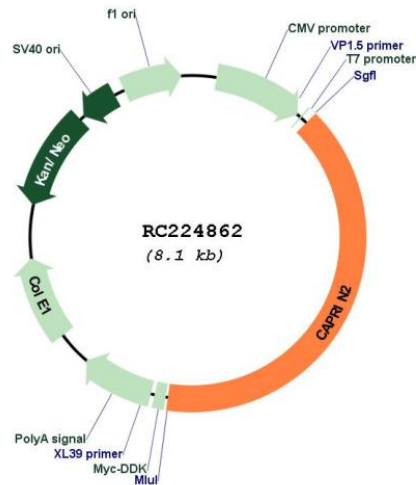
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_023925

ORF Size: 3231 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<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>	<u>NM_023925.4</u>
<b>RefSeq Size:</b>	4351 bp
<b>RefSeq ORF:</b>	3234 bp
<b>Locus ID:</b>	65981
<b>UniProt ID:</b>	<u>Q6IMN6</u>
<b>Cytogenetics:</b>	12p11.21
<b>Domains:</b>	C1Q
<b>MW:</b>	120.8 kDa
<b>Gene Summary:</b>	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]