

Product datasheet for **RG224862**

CAPRIN2 (NM_023925) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CAPRIN2 (NM_023925) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CAPRIN2
Synonyms:	C1QDC1; EEG-1; EEG1; RNG140
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224862 representing NM_023925 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTACAAGTATCTCAAGCATCATTGGGTTTCGAGCTCACTTCTGTGAAAAGAGTTAAGGGAGT
GGTCTAGACTTTCCAGGGAAGTTATTGCCTGGCTGTGTCCTCTAGTCTAATTTTATACTTAACTTTCC
CCCACCTCCTCAGCCTCATCTGTTTCAATGGTCAACTCTTTTCATCCCCTTTGGTTACCAGTCACCT
TCAGGCCATTAGAGGAGAAAGAGAGGGGAATATGAAGTCAGCCAAGCCCAAGTGAACCACAGTCAGC
ATGGGAAAGCCAGCGGCCTTGAGCCCTGCAGTCTACTCTGAGTTCTGCTGCATCTCCTTCCAAGC
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CTCAAACTGGAGGATTATAAGGATCGCCTGAAAAGTGGAGAGCATCTTAATCCAGACCAGTTGGAAGCTG
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CAGGAGACACCAAAGCTGTGGCCAGTTCAGCTGCAGAAAGAACAAGATCCAAAGAAGCAAACCTCAAAGT
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 TGTTACGCTGCACAGGGAGCAATTTATGGAAGTAGCTGGAATATTCTACGTTTTTCCAGGCTATCTTC
 TTTATCAAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG224862 representing NM_023925
 Red=Cloning site Green=Tags(s)

MEVQVSQASLGFELTSVEKSLREWSRLSREVIAWLCPSSPNFILNFPPPSASSVSMVQLFSSPFGYQSP
 SGHSEEEERGNMKSAPQVNHSHQGESQRAL SPLQSTLSSAASPSQAYETIENGLICLKHKIRNIEKKK
 LKLEDYKDRKSGEHLNPDQLEAVEKYEEVLHNLEFAKELQKTF SGLSLDLLKAQKKAQRREHMLKLEAE
 KKKLRTILQVQYVLQNLQEHVQKDFKGLNGAVYLP SKELDYL IKFSKLTCPERNESL SVEDQMEQSSL
 YFWDLLLEGSEKAVVGTTYKHLKDLLSKLLNSGYFESIPVPKNAKEKEVPLEEEMLIQSEKKTQLSKTESV
 KESESLMEFAQPEIQPQEFLNRRYMTEVDYSNKQGEEQPWEADYARKPNLPKRWDMLETPDGGQEKQESF
 KSWEASGKHQEVSKPAVSLEQRKQDTSKLRSTLPEEQKKQEI SKSKPSPSQWKQDTPKSKAGYVQEEQKK
 QETPKLWPVQLQKEQDPKQTPKSWTPSMQSEQNTTKSWTTPMCEEQDSKQPETPKSWENNVESQKHS
 LTSQSQISPKSWGVAATASLIPNDQLLPRKLNTEPKDVPKPVHQPVGSSSTL PKDPVLRKEKLQDLMTQIQGT
 CNFMQESVLD FDKPSSA IPTSQPPSATPGSPVASKEQNLSSQSDFLQEPLQATSSPVTCSSNACLVTTDQ
 ASSGSETEFMTSETPEVFVNAPLPPRKEQEI KESPYSPGYNQSF TASTQTTPQCQLPSIHVEQTVHSQ
 ETANYHPDGTIQVSNGLAFYPAQTNVFP RPTQPFVNSRGSVRGCTRGRLITNSYRSPGGYKGFDTYRG
 LPSISNGNYSQLQFQAREYSGAPYSQRDNFQCCYKRGGS GGPRANSRAGWSDSSQVSSPERDNE TFNSG
 DSGQGDSRSMTPVDVPVTNPAATILPVHVVPLPQQMRVAF SAARTSNLAPGTL DQPIVFDLLLNNLGETF
 DLQLGRFNCPVNGTYVFI FHMLKLA VNVPLPVNLMKNEEVLVSAYANDGAPDHETASNHAILQLFQGDQI
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TRTRPLE - GFP Tag - V

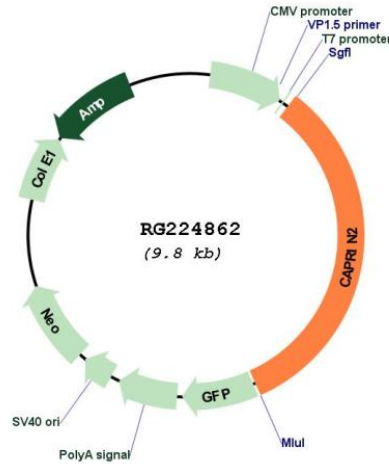
Restriction Sites:

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.

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:	NM_023925.4
RefSeq Size:	4351 bp
RefSeq ORF:	3234 bp
Locus ID:	65981
UniProt ID:	Q6IMN6
Cytogenetics:	12p11.21
Domains:	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]