

Product datasheet for **RG235015**

CAPRIN2 (NM_001206856) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CAPRIN2 (NM_001206856) 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)



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ORF Nucleotide Sequence:

>RG235015 representing NM_001206856
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGTACAAGTATCTCAAGCATCATTGGGTTTCGAGCTCACTTCTGTGGAAAAGAGTTAAAGGGAGT
 GGCTAGACTTTCCAGGGAAGTTATTGCCTGGCTGTGCCCTCTAGTCCTAATTTTATACTTAACTTTCC
 CCCACCTCCTTCAGCCTCATCTGTTCAATGGTCAACTCTTTTCATCCCTTTTGGTTACCAGTCACT
 TCAGGCCATTAGAGGAGGAAAGAGAGGGGAATATGAAGTCAGCCAAGCCCAAGTGAACCACAGTCAGC
 ATGGGGAAAGCCAGCGGGCCTTGAGCCCTGCAGTCTACTCTGAGTTCTGCTGCATCTCCTTCCCAAGC
 GTATGAGACCTATATTGAAAATGGACTCATATGCCTTAAACACAAAATTAGAAACATCGAGAAAAAGAA
 CTCAAAGTGGAGGATTATAAGGATCGCCTGAAAAGTGGAGAGCATCTTAATCCAGACCAGTTGGAAGCTG
 TAGAGAAAATGAAGAAGTGTACATAATTTGGAATTTGCCAAGGAGCTTCAAAAAACCTTTTCTGGGTT
 GAGCCTAGATCTACTAAAAGCGCAAAGAAGGCCAGAGAAGGGAGCACATGCTAAAACCTTGAGGCTGAG
 AAGAAAAAGCTTCGAACTATACTTCAAGTTCAGTATGTATTGCAGAACTTGACACAGGAGCACGTACAAA
 AAGACTTCAAAGGGGTTTGAATGGTGCAGTGTATTTGCCTTCAAAGAAGTACTACCTCATTAAAGTT
 TTCAAACCTGACCTGCCCTGAAAGAAATGAAAGTCTGAGTGTGAAGACCAGATGGAGCAGTCATCCTTG
 TACTTTTGGGACCTTTTGGAAAGTGTGAGAAAGCAGTGGTAGGAACGACATACAAAACCTTGAAGGATC
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 AAAGAGTCAGAGTCTCTAATGGAATTTGCCAGCCAGAGATACAACCACAAGAGTTTCTTAACAGACGCT
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 AAGTCCTGGGAGGCTTCTGGTAAGCACCAGGAGGTATCCAAGCCTGCAGTTTCTTAGAACAGAGGAAAC
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 ATCTCCTAGCCAGTGGAAAGCAAGATACACCTAAATCCAAGCAGGGTATGTTCAAGAGGAACAAAAGAAA
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 GGATTCAAAACAGCCAGAGACTCCAAAATCCTGGGAAAACAATGTTGAGAGTCAAAAACACTCTTTAACA
 TCACAGTCACAGATTTTCCAAGTCTGGGGAGTAGCTACAGCAAGCCTCATACCAATGACCAGCTGC
 TGCCCAAGGAGTTGAACACAGAACCCAAAGATGTGCCTAAGCCTGTGCATCAGCCTGTAGGTTCTTCCTC
 TACCCTTCCGAAGGATCCAGTATTGAGGAAAGAAAAACTGCAGGATCTGATGACTCAGATTCAAGGAACT
 TGTAACCTTATGCAAGAGTCTGTTCTTGACTTTGACAAACCTTCAAGTGAATTCACACGTACAAACCGC
 CTTAGCTACTCCAGGTAGCCCCGTAGCATCTAAAGAACAAAATCTGTCCAGTCAAAGTGATTTTCTTCA
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 GACCTACTCAGCCATTTGTCAATAGCCGGGATCTGTTAGAGGATGTACTCGTGGTGGGAGATTAATAAC
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 GGAATTAATAGCCAGCTGCAGTTCGAAGCTAGAGAGTATTCTGGAGCACCTTATTCCAAAGGGATAATT
 TCCAGCAGTGTATAAGCGAGGAGGGACATCTGGTGGTCCACGAGCAATTCGAGAGCTAACTGCTTCAT
 TATGAGAACTCACTGTTGCTAATAAAACAGCAGGGTGGAGTATTCTTCTCAGG

ACGGTACGCGGCCGCTCGAG – GFP Tag – **GTTTAA**

Protein Sequence: >RG235015 representing NM_001206856
 Red=Cloning site Green=Tags(s)

MEVQVSQASLGFELTSVEKSLREWSRLSREVIAWLCPSSPNFILNFPPPPSASSVSMVQLFSSPFGYQSP
 SGHSEEREENMKSAKPQVNHQSQHGESQRALSPLQSTLSSAASPSQAYETIENGLICLKHKIRNIEKKK
 LKLEDYKDRKLSGEHLNPDQLEAVEKYEEVLHNLEFAKELQKTFSGLSLDLLKAQKKAQRREHMLKLEAE
 KKKLRITILQVQYVLQNLQEHVQKDFKGGNGAVYLPSELKDYLIKFSKLTCPERNESLVEDQMEQSSS
 YFWDLLEGEKAVVGTTYKHLKDLLSKLLNSGYFESIPVPKNAKEKEVPLEEEEMIQSEKKTQLSKTESV
 KESESLMEFAQPEIQPEFLNRRYMTEVDYSNKQGEEQPWEADYARKPNLPKRWDMLTEPDGQEKQESF
 KSWEASGKHQEVSKPAVSLEQRKQDTSKLRSTLPEEQKKQEKISKSKPSPSQWKQDTPKSKAGYVQEEQKK
 QETPKLWPVQLQKEQDPKQTPKSWTPSMQSEQNTTKSWTTPMCEEQDSKQPETPKSWENNVESQKHSLT
 SQSQISPKSWG VATASLIPNDQLLPRKLNTEPKDVPKPVHQPVGSSSTLPKDPVLRKEKLQDLMTQIQGT
 CNFMQESVLDKDPSSAIPTSQPPSATPGSPVASKEQNLSSQSDFLQEPLQAAIPPKQKQSSLASPNPPM
 AKGSEQGFQSPPASSSSVTINTAPFQAMQTVFNVNAPLPPRKEQEKESPYSPGYNQSF TASTQTPPQC
 QLPSIHVEQTVHSQETAQTNVFPRPTQPFVNSRGSVRGCTRRGRLITNSYRSPGGYKGFDTYRGLPSISN
 GNYSQLQFQAREYSGAPYSQRDNFQCCYKRGGTSGGPRANSRANCFIMRNSLLL IKQGGVILLR

TRTRPLE - GFP Tag - V

Restriction Sites:

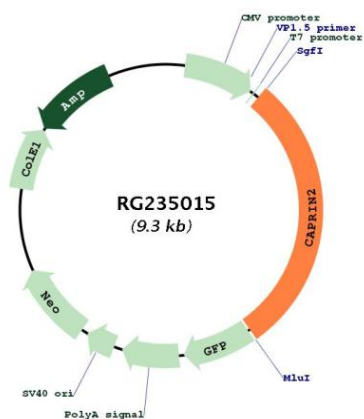
SgfI-MluI

Cloning Scheme:



ACCN:	NM_001206856
ORF Size:	2715 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_001206856.2 , NP_001193785.1
RefSeq Size:	4379 bp
RefSeq ORF:	2718 bp
Locus ID:	65981
UniProt ID:	Q6IMN6
Cytogenetics:	12p11.21
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]

Product images:



Circular map for RG235015