

Product datasheet for **MC228985**

Caprin2 (NM_001301351) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Caprin2 (NM_001301351) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Caprin2
Synonyms:	Adir; C1qdc1; Eeg1; RNG1; rng140
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228985 representing NM_001301351
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGTCAGCCAAGTCCCAAGTGAACCAGGATCAGCAAGGGGAAAACCAGCGGGCTCTGAGCCCCCTGC
 AGTCTACTCTCAGTTCTGCTGCATCTCCTTCCCAGGCATATGAAACCTATATTGATAATGGACTTATATG
 CCTTAAACACAAAATTAGGAACATCGAGAAGAAGAAGCTCAAACCTGGAAGATTATAAAGATCGCCTTAAA
 AATGGAGAGCAGCTTAACCCAGACCAGTTGGAAGCAGTAGAAAAGTATGAAGAAGTACTTCATAATTTGG
 AATTTGCCAAGGAGCTTCAGAAAACCTTTTCTGCACTGAGCCAAGATCTGCTGAAAGCGCAGAAAAAGGC
 CCAGAGAAGGGAGCATATGCTGAAACTTGAGACTGAGAAGAAAAAGCTTCGAACTATGCTTCAAATTCAG
 TATGTATTACAGAATTTGACACAAGAACATGTACAAAAAGACTTCAAAGGGGGCTTGAATGGTGAATGT
 ATTTGCCCTCAAAGAACCTTGACTACCTCATTAAATTCTCAAACCTGACCTGCCCTGAAAGAAATGAAAG
 TCTGAGTGTGAAGACCAGATGGAGCAGTCATCCTTGTACTTTTGGGACCTTTTGAAGGTAGTAAAAA
 ACAGTGGTAGGAACAACATATAAACATGTGAAAGACCTGTGTCTAAATTGCTGCACTCAGGTTATTTTG
 AAAGTGTCCCAGTTCTCAGGAATTTAAGGAAAAAGCAGAAGAAGTGTAAATGCAATCAGAAATGAAAAA
 ACAGTTACTGAAGAGTGAAGTCTATCAAAGAGTCAGAATCTTTACGGAACCTGTACAACCAGAGATACAG
 CCACAAGAGGTGCCTAAGCCCCTGCCTCAGCCTATAGACTCTTCTTCTGCCCTTCAAAGGATCCAGTAT
 TGAGGAAAGAAAAACTGCAGGACCTCATGAGCCAGATTCAAGGAACTTATAACTTTATGCAAGAGTCTGT
 TCTAGATTTTGACAAACCTCAAGTGAATTCATCATCACAGCCGCCTTCAGCTTGTCCAGTCTCTACA
 GTATCTGCAGAACAAAACCTTGCCAACCAAGTGAATTTCTTCAAGAACCATCACAGGCCCTTCTCCGG
 TTACTTGTAGCTCAAATGCTTGGTGTACTGACTGATCAGGCTTCTTCCGGGATCTGAAACAGAGTTTAC
 GACCTCAGAGACCCCTGAGATGGTGGTCTCCCTGCAAGCCAAAGCCAGCTTCTGCACTTGGCTTCCA
 AATCCTCCCTGTCAAAGAGCTTCCAGTTACCTCCTGCAAGTGGGAGTTCAAGAAGCCATTAGCACAGCAC
 CTTTTCAGGCCATGCAGACAGTGTAAATGTTAATGCACCTCTGCCTCCACGAAAGAACAAGAAATGAA
 AGAACCTCCTTATTCATCTGGCTACAATCAAAAATTTACTTCAAGTACACAGACAGTATCCCAATGC
 CAGCTCCCAGCTGTACACATAGACCAGACAACCTCAGCCTCCAGAGACTGGTGCAGGTTATCATCCTGATG
 GAACTGTTCAAGTAAGCAATGGCAGCCTTGCCCTTTACCCAGCACCCACGAGTATGTTTCCCAGACCTGC
 TCAGCCATTTATCAGTAGTCGGGGGACTCTGAGAGGGTTCACATGGAGGGAGGTTACTAATGAGTTCC
 TATCAGTCTCCTGGTGGCTACAAAGTTTTGATAGTTACAGAGGACTTCTTTCAGTTTCAAGTGGGAATT
 ACAGCCAGCTGCAAGCTAGAGAATATTCTGGAACAGCTTACTCTCAAAGGGATAATTTCCAGCA
 GTGTTATAAAAAGATCAGGGACATCTAGTGGTCTTCAAGAGGGTGGAGTGAAGTCTCCTCTCAG
 GTGAGCAGCCCAGAAAGAGACAGCGAGACTTTTAAACAGTGGAGACTCTGGGCTAGGAGACTCTCGGAGCA
 TGACCCAGTGGATGTGCCAGTGACAAGCCAGCAGCCGCAATCCTGCCAGTCCATATCTATCCCCTGCC
 TCAGCAAATGCGAGTTGCCTTCTCAGCTGCCAGAACATCCAATCTGGCTCCTGGAACCTTACAGCAACCT
 ATTTGTTTTGATCTTCTCCTGAACAACCTGGGAGAGACCTTTGATCTTTCAGCTTGGTAGATTCAATTGCC
 CAGTGAATGGCACTTACGTGTTCAATTTTACATGCTAAAGCTGGCTGTGAATGTACCACTGTATGTCAA
 CCTGATGAAGAAATGAGGAGGCTTGGTGTGAGCCTATGCCAACGATGGTGTCCAGACCATGAGACAGCA
 AGCAACCATGCCGTTCTCAGCTCCTCCAGGGAGACCAGATATGGCTGCGCTTACACAGGGGAGCGATTT
 ATGGAAGTAGCTGAAATACTCTACATTTTCAGGCTATCTTCTTATCAAGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001301351
Insert Size: 2436 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001301351.1, NP_001288280.1</u>
RefSeq Size:	3053 bp
RefSeq ORF:	2436 bp
Locus ID:	232560
UniProt ID:	<u>Q05A80</u>
Cytogenetics:	6 G3
Gene Summary:	<p>This gene encodes a member of the caprin family. The encoded protein may function as an RNA-binding protein that induces the formation of RNA granules and plays an important role in brain function. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014]</p> <p>Transcript Variant: This variant (2) lacks an exon in the central coding region compared to variant 1. The encoded isoform (2) is shorter compared to isoform 1.</p>