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Product datasheet for MC223296

Caprin2 (NM_181541) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Caprin2 (NM_181541) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Caprin2
Synonyms:	Adir; C1qdc1; Eeg1; RNG1; rng140
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC223296 representing NM_181541
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGTCAGCCAAGTCCCAAGTGAACCAGGATCAGCAAGGGGAAAACCAGCGGGCTCTGAGCCCCCTGC
AGTCTACTCTCAGTTCTGCTGCATCTCCTTCCCAGGCATATGAAACCTATATTGATAATGGACTTATATG
CCTTAAACACAAAATTAGGAACATCGAGAAGAAGAAGCTCAAACTGGAAGATTATAAAGATCGCCTTAAA
AATGGAGAGCAGCTTAACCCAGACCAGTTGGAAGCAGTAGAAAAGTATGAAGAAGTACTTCATAATTTGG
AATTTGCCAAGGAGCTTCAGAAAACTTTTTCTGCACTGAGCCAAGATCTGCTGAAAGCGCAGAAAAAGGC
CCAGAGAAGGGAGCATATGCTGAAACTTGAGACTGAGAAGAAAAAGCTTCGAACTATGCTTCAAATTCAG
TATGTATTACAGAATTTGACACAAGAACATGTACAAAAAGACTTCAAAGGGGGCTTGAATGGTGCAATGT
ATTTGCCTTCAAAAGAACTTGACTACCTCATTAAATTCTCAAAACTGACCTGCCCTGAAAGAAATGAAAG
TCTGAGTGTTGAAGACCAGATGGAGCAGTCATCCTTGTACTTTTGGGACCTTTTGGAAGGTAGTGAAAAA
ACAGTGGTAGGAACAACATATAAACATGTGAAAGACCTGCTGTCTAAATTGCTGCACTCAGGTTATTTTG
AAAGTGTCCCAGTTCTCAGGAATTCTAAGGAAAAAGCAGAAGAAGTGCTAATGCAATCAGAAATGAAAAA
ACAGTTACTGAAGAGTGAGTCTATCAAAGAGTCAGAATCTCTTACGGAACTTGTACAACCAGAGATACAG
CCACAAGAGTTTCTTAACAGACGCTATATGACAGAAGTAAAATTTTCAAGAAAACAAGAAAATGTAGAAC
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TGGTCAGGAGAAGAAGAAAGAGTCCTTGGAGTCCTGGAAGTCTTCTCTTAAGACTCAGGAGGTATCAAAG
CCTGTGGTTTCCTTAGTACAGGGGAAACTCAGGCCAACATTGCAGGAAGAGCAGAAGCAGCAGGTTCCTA
TAACACCTGTCAGTCAGTGGAAGCCAGAAAGCCCTAAGTCCAAAGTGGGCAGTCCTCAAGAAGAGCAGAA
TGTACAGGAGACACCAAAGCCATGGGTGGTTCAGTCACAGAAAGAACAAGATCCAAAGAAGCTGCCTCCT
GGATCCTGGGCAGTATCTGTGCAGAGTGAACAGAGTGGCAGCAGATCCTGGACCACCCCTGTGTGCAGAG
AACAGGCTTCAGTGCAGCCTGGGACTCCAGTATCCTGGGAAAACAATGCTGAGAACCAGAAACACTCCTT
AGTACCACAATCACAGATTTCTCTAAAGTCCTGGGGAGCAGCTTCAGCAGGCCTCTTACCAAATGGCCAA
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GTCCTGACGAGGAAGTTAAATGTAGAACCCAAAGATGTGCCTAAGCCCCTGCCTCAGCCTATAGACTCTT
CTTCTGCCCTTCCAAAGGATCCAGTATTGAGGAAAGAAAAACTGCAGGACCTCATGAGCCAGATTCAAGG
AACTTATAACTTTATGCAAGAGTCTGTTCTAGATTTTGACAAACCCTCAAGTGCAATTCCATCATCACAG
CCGCCTTCAGCTTGTCCAGTCTCTACAGTATCTGCAGAACAAAACTTGTCCAACCAAAGTGATTTTCTTC
AAGAACCATCACAGGCCTCTTCTCCGGTTACTTGTAGCTCAAATGCTTGCTTGGTGACTACTGATCAGGC
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AAGCCAGCTTCTGCACTTGCTTCTCCAAATCCTCCCCTGTCAAAGAGCTTCCAGTTACCTCCTGCAAGTG
GGAGTTCAGAAGCCATTAGCACAGCACCTTTTCAGGCCATGCAGACAGTGTTTAATGTTAATGCACCTCT
GCCTCCACGGAAAGAACAAGAAATGAAAGAACCTCCTTATTCATCTGGCTACAATCAAAATTTTACTTCA
TCAAGTACACAGACAGTATCCCAATGCCAGCTCCCAGCTGTACACATAGACCAGACAACTCAGCCTCCAG
AGACTGGTGCAGGTTATCATCCTGATGGAACTGTTCAAGTAAGCAATGGCAGCCTTGCCTTTTACCCAGC
ACCCACGAGTATGTTTCCCAGACCTGCTCAGCCATTTATCAGTAGTCGGGGGACTCTGAGAGGGTGTTCA
CATGGAGGGAGGTTACTAATGAGTTCCTATCAGTCTCCTGGTGGCTACAAAGGTTTTGATAGTTACAGAG
GACTTCCTTCAGTTTCAAGTGGGAATTACAGCCAGCTGCAGCTGCAAGCTAGAGAATATTCTGGAACAGC
TTACTCTCAAAGGGATAATTTCCAGCAGTGTTATAAAAGATCAGGGACATCTAGTGGTCTTCAGGCAAAT
TCAAGAGCAGGGTGGAGTGACTCCTCTCAGGTGAGCAGCCCAGAAAGAGACAGCGAGACTTTTAACAGTG
GAGACTCTGGGCTAGGAGACTCTCGGAGCATGACCCCAGTGGATGTGCCAGTGACAAGCCCAGCAGCCGC
CATCCTGCCAGTCCATATCTATCCCCTGCCTCAGCAAATGCGAGTTGCCTTCTCAGCTGCCAGAACATCC
AATCTGGCTCCTGGAACTTTAGACCAACCTATTGTGTTTGATCTTCTCCTGAACAACTTGGGAGAGACCT
TTGATCTTCAGCTTGGTAGATTCAATTGCCCAGTGAATGGCACTTACGTGTTCATTTTTCACATGCTAAA
GCTGGCTGTGAATGTACCACTGTATGTCAACCTGATGAAGAATGAGGAGGTCTTGGTGTCAGCCTATGCC
AACGATGGTGCTCCAGACCATGAGACAGCAAGCAACCATGCCGTTCTCCAGCTCCTCCAGGGAGACCAGA
TATGGCTGCGCTTACACAGGGGAGCGATTTATGGAAGTAGCTGGAAATACTCTACATTTTCAGGCTATCT
TCTTTATCAAGATTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_181541

Insert Size: 3096 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).

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:
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_181541.4, NP_853519.2

RefSeq Size: 3713 bp

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RefSeq ORF:	3096 bp
Locus ID:	232560
UniProt ID:	Q05A80
Cytogenetics:	6 G3
Gene Summary:	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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).

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