

Product datasheet for **MR231196**

Caprin2 (NM_001301351) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Caprin2 (NM_001301351) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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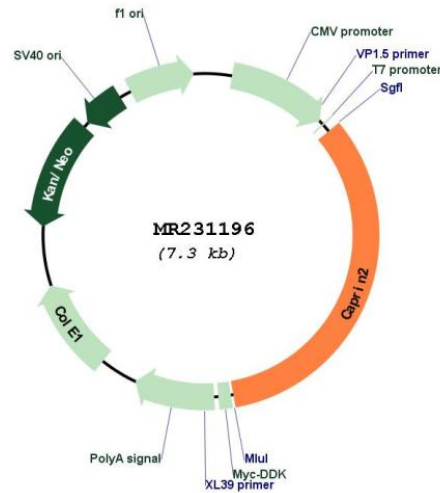
ORF Nucleotide
Sequence:

>MR231196 representing NM_001301351
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAAGTCAGCCAAGTCCCAAGTGAACCAGGATCAGCAAGGGGAAAACCAGCGGGCTCTGAGCCCCCTGC
AGTCTACTCTCAGTTCTGCTGCATCTCCTTCCCAGGCATATGAAACCTATATTGATAATGGACTTATATG
CCTTAAACACAAAATTAGGAACATCGAGAAGAAGAAGCTCAAACCTGGAAGATTATAAAGATCGCCTTAAA
AATGGAGAGCAGCTTAACCCAGACCAGTTGGAAGCAGTAGAAAAGTATGAAGAAGTACTTCATAATTTGG
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CCTGATGAAGAATGAGGAGGTCTTGGTGTGAGCCTATGCCAACGATGGTGTCCAGACCATGAGACAGCA
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ATGGAAGTAGCTGAAATACTCTACATTTTCAGGCTATCTTCTTATCAAGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Plasmid Map:


ACCN: NM_001301351

ORF Size: 2433 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:

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_001301351.1](#), [NP_001288280.1](#)

RefSeq Size: 3053 bp

RefSeq ORF: 2436 bp

Locus ID: 232560

UniProt ID: [Q05A80](#)

Cytogenetics: 6 G3

MW: 90.1 kDa

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]