

Product datasheet for **RN201686**

Picalm (NM_053554) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Picalm (NM_053554) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Picalm
Synonyms:	Calm
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201686 representing NM_053554
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGGCCAGAGCCTGACGGACCGAATCACCGCGCCAGCACAGTGTACTGGTCCGCGGTATCTA
 AGACAGTATGCAAGGCCACGACCCACGAGATCATGGGCCCAAGAAAAAGCACCTGGACTACTTAATTCA
 GTGTACAATGAGATGAATGTGAATATCCACAGTTGGCAGACAGTTTGTGGAAAGAACTACTAATAGT
 AGTTGGGTGGTGGTCTTCAAATCACTCATTACAACCTATCATTGATGGTGTATGGAAACGAGCGTTTCA
 TTCAGTATTTGGCTTCAAGAAACACATTGTTAACTTAAGCAACTTTTGGATAAAAGTGGATTGCAAGG
 ATATGATATGTCTACATTTATTAGACGATATAGTAGGTACCTAAATGAAAAGGCAGTTTCATACAGACAA
 GTTGCATTCGATTTCAAAAAGTGAAGAGAGGAGCTGATGGAGTTATGAGAACAATGAACACAGAAAAAC
 TGTTAAAAACTGTACCAATTATCCAAAATCAAATGGATGCACTTCTTGATTTTAAATGTTAATAGTAATGA
 ACTTACAATGGGGTAATAAATGCTGCCTTCATGCTCCTGTTCAAAGATGCCATTAGACTATTTGCAGCA
 TACAATGAAGGAATTATTAATTTATTGGAAAAATATTTTGATATGAAAAAGAACCAGTGCAAAGAAGGTC
 TTGACATCTATAAGAAGTTTTGACTAGGATGACAAGAATCTCAGAGTTTCTGAAAGTTGCAGAGCAAGT
 TGGAAATTGACAGAGGAGATATCCAGATCTTTCACAGGCCCCAGCAGTCTTCTTGATGCTTTAGAACA
 CATTTAGCTTCTTTGGAAGGGAAGAAAACAAAGATCCACAGCTGCAAGCAGGGCTACAACACTTTCCA
 ATGCAGTCTCTTCTTTGGCAAGCACTGGCCTATCTCTGACCAAAGTGGATGAAAGGGAAAAGCAGGCAGC
 ATTAGAGGAAGAACAGGCTCGATTAAGAAGCACTAAAGGAACAGCGTCTAAAAGAAGTTGCAAAGAAACCG
 CATACCTCTTTAAACAAGTGCAGCCTCTCCTGTGTCACCTCAGCAGGGGAATAATGACTGCACCAGCCA
 TCGACATATTTTCTACCCCTAGTCTTTCTAACAGCACATCCAAGCTGCCAAATGACCTGCTTGATTTGCA
 GCAGCCAACCTTTCATCCATCTGTCCATGCTATGTCAGCTGCTCCTCAGGTAGCAAGTACATGGGGAGAT
 GCTGTTGATGATGCCATTCCAAGCTTAAATCCTTTCTCACAAAAAGTAGTGGTGTGTTACCTTCTTA
 TTTCTTCAGATGTATCCACTTTTACTACTAGGACACCTACTCATGAAATGTTTGTGGATTGAGTCTTCT
 TCCGGTTACACAGCCACATCCTTCAGCTGGCCTTAATGTTGACTTTGAATCTGTGTTTGGAAATAAGTCT
 ACGAATGTTGCTGTAGATTCTGGTGGTGGACTTCTCAAACCAACAGTGGCCTCTCAGAACCAGAGTCTTC
 CTGTTGCCAAACTCCGCTAACAAATAGTGTCTGATGACTTGGATTGATCTTTAGCCAACCTTGTGGG
 CAATCTTGGCATTGAAATGGAACCACTAAGAATGATGTAAGTTGCAGTCAACCAGGTGAAAAGAAGTTA
 ACTGGAGGATCTAACTGGCAACCAAGGTCGCACCAACAAGTGCCTGGAGTGTGCAACAATGGCACCCC
 CTGTAATGGCCTATCCTGCTACTACACCAACGGGCATGATAGGATATGGAATTCCTCCTCAGATGGGAAG
 TGTACCTGTAATGACACAGCCAACCTTAATATACAGCCAGCCTGTGATGAGACCGCCAAACCCCTTTGGC
 CCTGTACCAGGAGCACAGATACAGTTTATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053554
- Insert Size:** 1923 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_053554.2](#), [NP_446006.1](#)

RefSeq Size: 2049 bp

RefSeq ORF: 1923 bp

Locus ID: 89816

UniProt ID: [O55012](#)

Cytogenetics: 1q32

Gene Summary: may mediate the assembly of clathrin in neural and supporting cells of brain; may regulate the clathrin coated-vesicle formation [RGD, Feb 2006]