

Product datasheet for **MC204059**

Ciapin1 (NM_134141) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ciapin1 (NM_134141) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ciapin1
Synonyms: 2810413N20Rik; AA617265; anamorsin; AU021794
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC021864
 GCGGAGCGGGTTTTTCAGGCTACGAGGAAGTACCATTTAGTCCAGCAGCGCGGCAGGAATGGAGGAGTTT
 GGGATCTCCCCTGGCCAGCTTGTGGCAGTGTCTGGGACAAGTCATCTCCTGAGGAAGCCCTAAAAAAGC
 TGGTGGCTAGACTGCAAGAGTTAACTGGCAGCGAGGGCCAGGTATTCATGGAAAACGTCACCCAGCTGTT
 GCAGTCTTCGCATAAGGAATCCAGCTTCGATGTCATTCTGTCTGGGTGTAGTCCCAGGAAGCACCTCTCTG
 CACAGTGTGAGGTTCTGGCTGAGATGGCCCGGATCCTCCGGCCAGGGGGCTGTCTTTTTCTGAAAGAAC
 CAGTGGAGACAGCTGAAGTTAACAATGACAAAATGAAGACGGCCTCTAAGCTATGTTTCAGCCCTGACTCT
 TTCTGGCCTCGTGGAAATAAAAGAGTTGCAGAGGGAGGCCTTAAGCCCTGAGGAGGTACAGTCCGTGCAG
 GAGCACCTGGGCTACCACAGTGACAGCCTGCGCTCAGTCCGTGTCAGTGGCAAGAAGCCAAACTTTGAAG
 TGGGTTCTTAGCCAGCTAAAGCTTCCCAACAAGAAGTCTTCTCAGTGAAGCCTGTTGTGGATCTCTGC
 TGCTGCCAAGCTCTGGACCCTCTCAGCAAATGACATGGAGGATGACAGTGTGGATCTCATTGACTCAGAC
 GAGCTGCTTGATCCAGAGGATTTGAAGAGGCCTGACCCAGCCTCCCTGAAGGCTCCTTCATGTGGGGAAG
 GGAAAAAGAGGAAGGCCTGTAAGAACTGCACCTGTGGCCTCGCAGAGGAACTGGAGCGGGAGCAGTCCAA
 GGCGCAGAGCTCTCAGCCCAAGTCAGCCTGTGGAAATTGCTACCTGGGTGACGCTTTCCGCTGTGCCAAC
 TGCCCTACCTCGGGATGCCAGCCTTCAAGCCTGGCGAGCAGGTGCTCCTGAGCAATAGCAATCTCCAGG
 ATGCCTAGGAGGGACCTCAAGCCACACACCTCCTCCTCAGCAACTCCTGTCTCAGCTCCTCCCACGG
 CCTCCTCCCACCTCTGGTTTCAGGCGCTCTGAAAACACTCACAGGGAGAGGCTTGAGCCGAGCGAGCGA
 GCGAAGCTGCTGTGGGCAGTGGGGTGGGTGCTGCTGTGCTTTGAAAGACCAAGGATTGAGGGGACCTGT
 CTCTTAGTGTAGGGGAAGAGGGTGGATGCGCCTAAGGAACTCTGCTCCTGGTGTACAGTGTCTCCCT
 CTCTACCCTTGAGTATTTATGCTGAGTAAGCTCCAGGCTCCGCTCAGTGATGCTGCCACCTGCTGGACTT
 CCTCAGGATGTAGTTCTTGGAGCATTGGGTTAGCTGTCAAGGGCCTCAGGGGCACCAAAGAAGTCACTC
 CCCAGTGTGATCCATCTTGTGTCCCTCTGCCTTTCTCACCTCACCCCGTTTTACTGTAGTGTGTATC
 TGTGCTCTGTTGTCATTCTGTTAAATGGTATTAATACTTTTGTGTTTTTATGTCTCCCTTAAAAA AAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_134141



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Insert Size:	930 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:	<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:	BC021864 , AAH21864
RefSeq Size:	1546 bp
RefSeq ORF:	930 bp
Locus ID:	109006
UniProt ID:	Q8WTY4
Cytogenetics:	8 C5
Gene Summary:	Component of the cytosolic iron-sulfur (Fe-S) protein assembly (CIA) machinery required for the maturation of extramitochondrial Fe-S proteins. Part of an electron transfer chain functioning in an early step of cytosolic Fe-S biogenesis, facilitating the de novo assembly of a [4Fe-4S] cluster on the scaffold complex NUBP1-NUBP2. Electrons are transferred to CIAPIN1 from NADPH via the FAD- and FMN-containing protein NDOR1. NDOR1-CIAPIN1 are also required for the assembly of the diferric tyrosyl radical cofactor of ribonucleotide reductase (RNR), probably by providing electrons for reduction during radical cofactor maturation in the catalytic small subunit (By similarity). Has anti-apoptotic effects in the cell. Involved in negative control of cell death upon cytokine withdrawal. Promotes development of hematopoietic cells (PubMed:14970183).[UniProtKB/Swiss-Prot Function]