

## Product datasheet for **RC231238**

### **Pyrin (MEFV) (NM\_001198536) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pyrin (MEFV) (NM_001198536) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pyrin
Synonyms:	FMF; MEF; PAAND; TRIM20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC231238 representing NM\_001198536  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTAAGACCCTAGTGACCATCTGCTGTCCACCCTGGAGGAGCTGGTGCCCTATGACTTCGAGAAGT  
 TCAAGTTCAAGCTGCAGAACACCAGTGTGCAGAAGGAGCACTCCAGGATCCCCCGAGGCCAGATCCAGAG  
 AGCCAGGCCGGTGAAGATGGCCACTCTGCTGGTCACTACTATGGGGAAGAGTACGCCGTGCAGCTCACC  
 CTGCAGGCTCTGCGGGCCATCAACCAGCGCCTGCTGGCCGAGGAGCTCCACAGGGCAGCCATTAGGGAA  
 GGCCACCAGACACGGCTGCGAGTCCCCGCTGCCACGCCAGGAAGGAGACCCAGTTGACGGTACCTGTGT  
 GCGTGATTCTGCAGTTCCTCCGAGGCAGTTTCTGGGCACCCCCAGGCCCTCAGGCAGCCGCTCACCTGGC  
 TGCCCCGGTGCCAGGACTCCCATGAAAGGAAGAGCCCGGAAGCCTAAGCCCCAGCCCCTGCCACAGT  
 GTAAGCGCCACCTGAAGCAGTCCAGCTGCTCTTCTGTGAGGATCACGATGAGCCCATCTGCCTCATCTG  
 CAGTCTGAGTCAAGGACCAAGGCCACCGGGTGCGCCCATGAGGAGGTCGCCCTGGAACACAAGAAG  
 AAAATTCAGAAGCAGCTGGAGCATCTGAAGAAGCTGAGAAAATCAGGGGAGGAGCAGCGATCCTATGGGG  
 AGGAGAAGGCAGTGAGCTTTCTGAAACAACTGAAGCGCTGAAGCAGCGGTGCAGAGGAAGCTGGAGCA  
 GGTGTACTACTTCTGGAGCAGCAAGAGCATTTCTTTGTGGCCTCACTGGAGGACGTGGGCCAGATGGTT  
 GGGCAGATCAGGAAGGCATATGACACCCCGTATCCCAGGACATCGCCCTGCTCGATGCGCTGATTGGGG  
 AACTGGAGGCCAAGGAGTGCCAGTCAGAATGGAACTTCTGCAGGACATTGGAGACATCTTGACAGGGC  
 TAAGACAGTGCCTGTCCCTGAAAAGTGGACCACTCCTCAAGAGATAAAACAAAAGATCCAACCTCCTCCAC  
 CAGAAGTCAGAGTTTGTGGAGAAGAGCACAAAGTACTTCTCAGAAACCTGCGTTTCAGAAATGGAATGT  
 TCAATGACCACAGTCCCCAACATGGCCTGGGTTCTGGGAGGAACGGGATTATACCAACATAGCATGCA  
 GGGCCCTAAGCAGGGGGTTCCTTGTCTTTCCTTGTGTCAGGACAGTGAATTTAGCCCCCTTAATGCT  
 AATGCTCAGGATTTTTTCCCTATCTGATTTTTCTCCGTAGTTCAGAGCTGATTGGCGCTCAGGCACAT  
 GCTGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC231238 representing NM\_001198536  
 Red=Cloning site Green=Tags(s)

MAKTPSDHLLSTLEELVPYDFEKFKFLQNTSVQKEHSRIPRSQIQRARPVKMATLLVTYYGEEYAVQLT  
 LQVLRINQRLLAELHRAAIQGRPPDTAASPRCHAQEGDPVDGTCVRDSCSFPEAVSGHPQASGSRSPG  
 CPRCQDSHERKSPGSLSPQPLPQCKRHLKQVQLLFCEDHDEPICLICSLSQEHQGHVRPREEVALEHKK  
 KIQKQLEHLKLRKSGEEQRSYGEEKAVSFLKQTEALKQRVQRKLEQVYVFLEQQEHFFVASLEDVGMV  
 GQIRKAYDTRVSQDIALLDALIGELEAKECQSEWELLQDIGDILHRAKTVPVPEKWTPQEIKQKIQLLH  
 QKSEFVEKSTKYFSETLRSEMEMFNDHSPQHGLGSWEERDYTQHSMQGPKQGVPCLSLLSGQC�LAPLNA  
 NAQDFFPYLIFLRSSRADWRSQTCC

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8060\\_d12.zip](https://cdn.origene.com/chromatograms/mk8060_d12.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001198536

**ORF Size:** 1335 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\\_001198536.1](#), [NP\\_001185465.1](#)

**RefSeq ORF:** 1338 bp

**Locus ID:** 4210

**UniProt ID:** [O15553](#)

**Cytogenetics:** 16p13.3

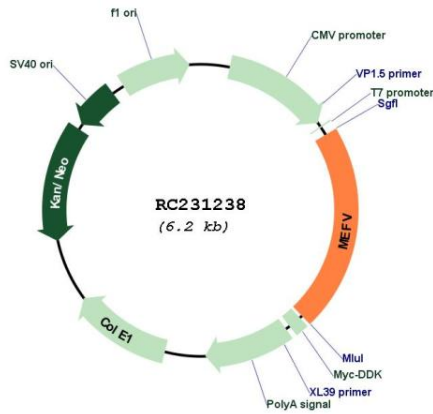
**Protein Families:** Druggable Genome

**Protein Pathways:** NOD-like receptor signaling pathway

**MW:** 51.4 kDa

**Gene Summary:** This gene encodes a protein, also known as pyrin or marenostrin, that is an important modulator of innate immunity. Mutations in this gene are associated with Mediterranean fever, a hereditary periodic fever syndrome. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC231238