

Product datasheet for **SC300033**

Pyrin (MEFV) (NM_000243) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pyrin (MEFV) (NM_000243) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pyrin
Synonyms:	FMF; MEF; PAAND; TRIM20
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC300033 sequence for NM_000243 edited (data generated by NextGen Sequencing)

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ATGGCTAAGACCCTAGTGACCATCTGCTGTCCACCCCTGGAGGAGCTGGTGCCTATGACTTCGAGAAGT
TCAAGTTCAGCTGCAGAACACCAGTGTGCAGAAGGAGCACTCCAGGATCCCCGGAGCCAGATCCAGAG
AGCCAGGCCGGTGAAGATGGCCACTCTGCTGGTCACTACTATGGGAAGAGTACGCCGTGCAGCTCACC
CTGCAGGTCCTGCGGGCCATCAACCAGCGCCTGCTGGCCGAGGAGCTCCACAGGGCAGCCATTCAGGAAT
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CCTGAAGACTCCAGACCACCCGAGGGGAACGAGGGGAACGGCCCTCGGCCGTACGGGGGCGGGGCTGCC
AGCCTGCGGTGCAGCCAGCCGAGGCCGGGAGGGGGTGTGAGGAAGCCCTGAGCAAACGCAGAGAGA
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CCTCGGAAAGATGCGACCTAGAAGCCTTGAGGTCAACATTTCTACAGGGGAGAAGCGCCCGCAAATCC
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CCCACTCCGATGGAGGGCATCTGCGGACCTGAAGGAAGGCCCTGGAATCCAGAACATTCGGTACCCG
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CACCAGAAGTCAGAGTTTGTGGAGAAGAGCACAAAGTACTTCTCAGAAACCTGCGTTGAGAAATGGAAA
TGTTCAATGTTCCGGAGCTGATTGGCGCTCAGGCACATGCTGTTAATGTGATTCTGGATGCAGAAACCGC
TTACCCCAACCTCATCTTCTGATGATCTGAAGAGTGTAGACTTGGAAACAAGTGGGAGAGGCTGCCT
GATGGCCCGCAAAGATTTGACAGCTGTATCATTGTTCTGGGCTCTCCGAGTTTCTCTCTGGCCCGGTT
ACTGGGAGGTGGAGTTGGAGACAAGACAGCATGGATCCTGGGAGCCTGCAAGACATCCATAAGCAGGAA
AGGGAACATGACTCTGTGCGCAGAGAATGGCTACTGGGTGGTATAATGATGAAGGAAAATGAGTACCAG
CGCTCCAGCGTCCCCGACCCGCTGCTAATAAAGGAGCCTCCAAGCGTGTGGGCATCTTCGTGGACT
ACAGAGTTGGAAGCATCTCCTTTACAATGTGACAGCCAGATCCACATCTATACATTCCGCAGCTGCTC
TTTCTCTGGGCCCTTCAACCTATCTTACGCCCTGGGACACGTGATGGAGGGAAGAACACAGCTCCTCTG
ACTATCTGTCCAGTGGTGGTCAGGGCCCTGACTGA
    
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Clone variation with respect to NM_000243.2
 306:c=>t 414:g=>a 495:a=>c 605:a=>g 942:t=>c 1422:a=>g 1428:g=>a 1530:c=>t 1764:g=>a

Restriction Sites: Please inquire

ACCN: NM_000243

Insert Size: 2300 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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_000243.1</u> , <u>NP_000234.1</u>
RefSeq Size:	3507 bp
RefSeq ORF:	2346 bp
Locus ID:	4210
UniProt ID:	<u>O15553</u>
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
Protein Pathways:	NOD-like receptor signaling pathway
Gene Summary:	<p>This gene encodes a protein, also known as pyrin or marenosttrin, 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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>