

Product datasheet for **RG231238**

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:	TurboGFP
Symbol:	Pyrin
Synonyms:	FMF; MEF; PAAND; TRIM20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG231238 representing NM_001198536
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTAAGACCCTAGTGACCATCTGCTGTCCACCCTGGAGGAGCTGGTGCCCTATGACTTCGAGAAGT
 TCAAGTTCAAGCTGCAGAACACCAGTGTGCAGAAGGAGCACTCCAGGATCCCCCGGAGCCAGATCCAGAG
 AGCCAGGCCGGTGAAGATGGCCACTCTGCTGGTCACTACTATGGGGAAGAGTACGCCGTGCAGCTCACC
 CTGCAGGCTCTGCGGGCCATCAACCAGCGCTGCTGGCCGAGGAGCTCCACAGGGCAGCCATTAGGGAA
 GGCCACCAGACACGGCTGCGAGTCCCCGCTGCCACGCCAGGAAGGAGACCCAGTTGACGGTACCTGTGT
 GCGTGATTCTGCAGTTCCTCCGAGGCAGTTTCTGGGCACCCCCAGGCCCTCAGGCAGCCGCTCACCTGGC
 TGCCCCGGTGCCAGGACTCCCATGAAAGGAAGAGCCCGGAAGCCTAAGCCCCAGCCCCTGCCACAGT
 GTAAGCGCCACCTGAAGCAGTCCAGCTGCTCTTCTGTGAGGATCACGATGAGCCCATCTGCCTCATCTG
 CAGTCTGAGTCAAGGACCAAGGCCACCGGGTGCGCCCATGAGGAGGTCGCCCTGGAACACAAGAAG
 AAAATTCAGAAGCAGCTGGAGCATCTGAAGAAGCTGAGAAAATCAGGGGAGGAGCAGCGATCCTATGGGG
 AGGAGAAGGCAGTGAGCTTTCTGAAACAACTGAAGCGCTGAAGCAGCGGGTGCAGAGGAAGCTGGAGCA
 GGTGTACTACTTCTGGAGCAGCAAGAGCATTCTTTGTGGCCTCACTGGAGGACGTGGGCCAGATGGTT
 GGGCAGATCAGGAAGGCATATGACACCCCGTATCCCAGGACATCGCCCTGCTCGATGCGCTGATTGGGG
 AACTGGAGGCCAAGGAGTGCCAGTCAGAATGGAACTTCTGCAGGACATTGGAGACATCTTGACAGGGC
 TAAGACAGTGCCTGTCCCTGAAAAGTGGACCACTCCTCAAGAGATAAAACAAAAGATCCAACCTCCAC
 CAGAAGTCAGAGTTTGTGGAGAAGAGCACAAAGTACTTCTCAGAAACCTGCGTTTCAGAAATGGAATGT
 TCAATGACCACAGTCCCCAACATGGCCTGGGTTCTGGGAGGAACGGGATTATACCAACATAGCATGCA
 GGGCCCTAAGCAGGGGGTTCCTTGTCTTTCCTTGTGTCAGGACAGTGAATTTAGCCCCCTTAATGCT
 AATGCTCAGGATTTTTTCCCTATCTGATTTTTCTCCGTAGTTCAGAGCTGATTGGCGCTCAGGCACAT
 GCTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG231238 representing NM_001198536
 Red=Cloning site Green=Tags(s)

MAKTPSDHLLSTLEELVPYDFEKFKLQNTSVQKEHSRIPRSQIQRARPVKMATLLVTYYGEEYAVQLT
 LQVLRAINQRLLAEELHRAAIQGRPPDTAASPRCHAQEGDPVDGTCVRDSCSFPEAVSGHPQASGSRSPG
 CPRCQDSHERKSPGSLSPQPLPQCKRHLKQVQLLFCEDHDEPICLICSLSQEHQGHVRVPIEEVALEHKK
 KIQKQLEHLKLRKSGEEQRSYGEEKAVSFLKQTEALKQRVQRKLEQVYYFLEQQEHFFVASLEDVGMV
 GQIRKAYDTRVSQDIALLDALIGELEAKECQSEWELLQDIGDILHRAKTVPVPEKWTTPQEIKQKIQLLH
 QKSEFVEKSTKYFSETLRSEMFMFNHSPQHGLGSWEERDYTQHSMQGPKQGVPCLSLLSGQCNLAPLNA
 NAQDFFPYLIFLRSSRADWRSGTCC

TRTRPLE - GFP Tag - V

Chromatograms:

https://cdn.origene.com/chromatograms/ja1741_g03.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 Size: 3049 bp

RefSeq ORF: 1338 bp

Locus ID: 4210

UniProt ID: [O15553](#)

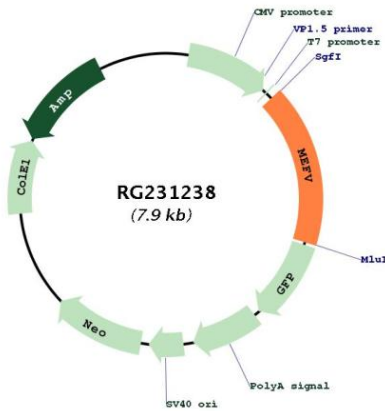
Cytogenetics: 16p13.3

Protein Families: Druggable Genome

Protein Pathways: NOD-like receptor signaling pathway

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 RG231238