

Product datasheet for MC224291

Pfas (NM_001159519) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfas (NM_001159519) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pfas
Synonyms:	4432409B16Rik; FGAMS; FGAR-AT; FGARAT; Gm18; PURL; Sofa
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224291 representing NM_001159519 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCTGTCCTTCACTTTTATGTCCGCCCTCTGGCCATGAGGGGGCAGCATCTGGACGTGTTTTTC
GGAGACTACAAGAGAACTGCCAACCTCAGAGTGTGGAGACTGAGCTGTGCTACAATGTACACTGGGC
AGCTGAGACCCTCCATGGGCTGAGGAGATGAAGAAGTTGATGTGGCTGTTCCGGTGCCTTTGGTCCGG
GATGATGTTGCTCAGGAGCCCTGGCTTGTCTCGCTCCAACGATTTGTTGCTGGAGGTGGGACCCAGGC
TGAATTTCTCGACTCCAGCATCGACCAACATTGTTTCTGTGTGCCAGGCAGCCGGCTGAGGGCTGTGGA
TCGGGTAGAGACCACCCGACGTTACCGACTTTCGTTTACCGACCACCCTACAGCTGAAATGGAAGCCATC
TCTCTGGCCGCCTTGACGACCCGGATGACAGAGCAGCACTACCCTGACCCCATCCAGAGCTTCTCTCCTC
AGAGCATCCAGCCCACTCAAGGGCTCCATCGACATACTAGCTGAGGGTCGGCTGCCCTGGAGAAGGC
CAACCAGGAGCTAGGTTTGGCTCTTGACTCCTGGGACCTCGATTCTATAACCAAGCGCTTCAAGAGCTG
CAGCGGAACCCAGTACAGTGGAGTCTTGACTTGGCTCAGTCCAATAGTGAGCACAGCCGACATTGTT
TCTTCAAGGGCCAGCTCCATGTGGATGGGAAGAAGCTAGCGCATCCCTTTTGAATCCATCATGAGCAC
TCAGGCATCCTCAACCCCTAACAAATGCTCTCAAGTTCTGTGACAACAGCAGTGCAATCCAGGGGAAGAAA
GTCAAATTCCTGCGGCCGGAGGACTCTACCCGCCCAAGCTGCTTCCAGCAACAGCAGGGGCTTAGACATG
TTGTCTTACAGCAGAGACACATAAATTCCCCACAGGAGTGGCCCCCTCAGCGGTGCAACCACAGGCAC
GGGTGGCCGCATCAGAGACGTCCAGTGCACAGGCCGTGGGGCCACGTGGTAGCTGGCACTGCTGGCTAT
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ACTTTGCCAGGCCTTTGGAGTTGCTATTGAGGCCAGCAATGGAGCATCTGACTATGGCAACAAGTTTGG
AGAGCCAGTGTGGCTGGATTTGCCGCTCTTTGGGTCTCCAGCTTCCAGATGGTCAGAGACGTGAGTGG
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AGCCAGGCATGGAGTTGTAAAGTTGGAGTCCCTGTTTATAGGATTGGAGTTGGGGTGGAGCTGCTTC
GTCTGTGCAAGTCCAGGGAGACAACACCAAGTGCCTGGACTTTGGAGCTGTGCAACGGGGAGACCCGGAA
ATGGAGCAAAAGATGAATCGTGTGATCCGGCTTGTGTGGAGGCCCCAGGAGGAAACCCATCTGCAGCC



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TCCATGACCAGGGTCTGGTGGCAATGGCAATGTCTAAAGGAGCTGAGTGACCCAGAAGGAGCCATCAT
 TTACACCAGCCGCTTCCAGCTAGGTGACCCAACCTTGAATGCACTGGAATCTGGGGGGCTGAGTACCAG
 GAGTCAAATGCACTACTGCTTAGGCCCTCTGACCGGGACTTCTGAGTCGTGCCAGTGCCCGGGAACGCT
 GCCCAGCTTGTGTTGTGGGCACAATCACTGGAGACAAGAGAATTGACTAGTGGATGATCGTGAATGCCT
 AGTAGGAAAACTGGTCAGGGAGATGCACCCCTGACACCTCAACCCCTGTAGACCTGGACCTTGACTGG
 GTGCTGGGAAAGATGCCTCAGAAGGAGTCTTCTCCAGAGGAAACCCCTGTGCTGCAGCCTTTGGCTT
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 CTACCTACCAACAAGGTGGATCGCTCTGTGGTGGCCTTGTGCCAACAGCAGTGTGTCGGACCCTG
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 TGGGAGAGCAGCCAGTCAAGAGCCTGTGGACCCCAAGGCTGTGCCAGGCTTGTGTGTGAGGCCCT
 CACCAACCTGGTGTGCTCTGGTCAACGACCTCCGAGATGTGAAGTGCAGTGGGAACTGGATGTGGCA
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 GTCCTGGGCTCTGCTAAAGGTTGGGCAGCTGCGGTGACCTTTAATCCACAGGCCAGGGAAGAGCTGGGCC
 GATTCGAAGGGCGCCGGACACCTTCCAGCTGGGCGTGTGTAATGGCTGTGAGTGTGCTGCTTCTGGG
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 CTCCTGCTCCGCCACAATCTGTCTGGGCGTTCGAGTCCCGATGGGCCACCGTACGTGTGGAGCCGGGGC
 CAGCCCTGATGCTCCGAGGGATGGAAGGCTCTGTGCTGCCCGTGTGGAGTGTACAGGGGAAGGCTACAT
 GGCAATTTCTTCTCTGAACTCCAAGCCAAGATCGAGGCCAAGGGCCTGGTTCTCTGCACTGGGCAGAC
 GATGATGGGAACCCACAGAGCAGTACCCTCTGAACCCCAATGGATCTCCAGGGGGCATAGCTGGTATCT
 GTTCCCAAGATGGCCGACACCTGGCACTCATGCCGCACCTGAGCGGGCTGTAAGGCTTTGGCAGTGGGC
 ATGGCGACCCTCTCCCTTGTGATTTCTCCACCTCCCGTGGCTGCAGCTTTCATCAATGCTAGGAAC
 TGGACCCAGGAGGACAGCTG**TGA**

ACGCGTACGCGGGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001159519
- Insert Size:** 4014 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_001159519.1](#), [NP_001152991.1](#)

RefSeq Size: 6369 bp

RefSeq ORF: 4014 bp

Locus ID: 237823

UniProt ID: [Q5SUR0](#)

Cytogenetics: 11 B3

Gene Summary: Phosphoribosylformylglycinamide synthase involved in the purines biosynthetic pathway. Catalyzes the ATP-dependent conversion of formylglycinamide ribonucleotide (FGAR) and glutamine to yield formylglycinamide ribonucleotide (FGAM) and glutamate (By similarity). [UniProtKB/Swiss-Prot Function]