

Product datasheet for **MR217770**

Pfas (NM_001159519) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfas (NM_001159519) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pfas
Synonyms:	4432409B16Rik; FGAMS; FGAR-AT; FGARAT; Gm18; PURL; Sofa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217770 representing NM_001159519 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGGCCCCCTGTCCTTCACTTTTATGTCCGCCCTCTGGCCATGAGGGGGCAGCATCTGGACGTGTTTTTC
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Protein Sequence: >MR217770 representing NM_001159519
 Red=Cloning site Green=Tags(s)

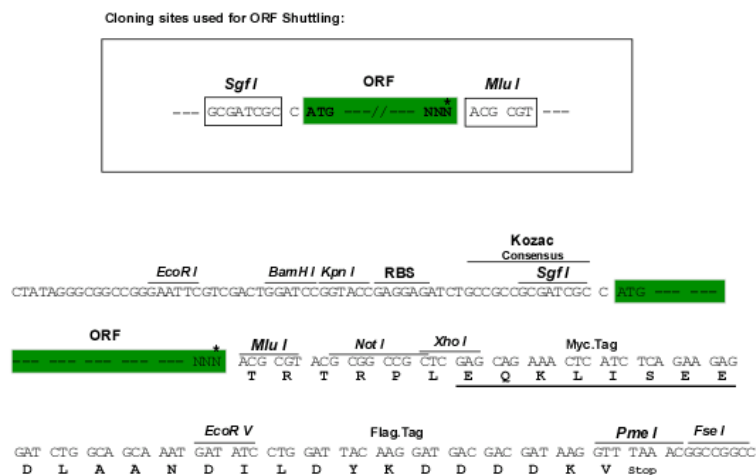
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 AKLPGEAALADACEAMVAVMAALGVAVDGGKDSLMAARVGTETVQAPGSLVISAYAVCPDITATVTPD
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 DGGLVTCLEMAFAGNCGIEVDVPAGIHALPVLFAEPPGLVLEVQEADVAGVRQRYESAGLRCLGHT
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 VLGSAGWAAAVTFNPQAREELGRFRRRPDTFSLGVCNGCQLLALLGWVGSDPSEEQAEPGQDSQPTQPG
 LLLRHNLSGRFESRWATVRVEGPALMLRGMESVLPVSAHGEGYMAFSSPELQAKIEAKGLVPLHWAD
 DDGNPTEQYPLNPNGSPGGIAGICSQDGRHLALMPHERAVRLWQAWRPPFDVLPTSPWLQLFINARN
 WTQEDSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9104_b04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



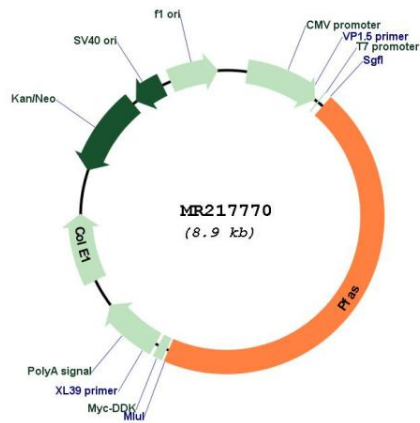
* The last codon before the Stop codon of the ORF

ACCN: NM_001159519

ORF Size: 4011 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001159519.1 , NP_001152991.1
RefSeq Size:	6369 bp
RefSeq ORF:	4014 bp
Locus ID:	237823
UniProt ID:	Q5SUR0
Cytogenetics:	11 B3
MW:	144.6 kDa
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]

Product images:



Circular map for MR217770