

Product datasheet for **RG217795**

PFAS (NM_012393) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PFAS (NM_012393) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PFAS
Synonyms: FGAMS; FGAR-AT; FGARAT; GATD8; PURL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG217795 representing NM_012393
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTC**CCCCAGTCCTTCACTTCTATGTTTCGTCCTCTGGCCATGAGGGGGCAGCCCTGGACACACTCGGA**
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG217795 representing NM_012393
 Red=Cloning site Green=Tags(s)

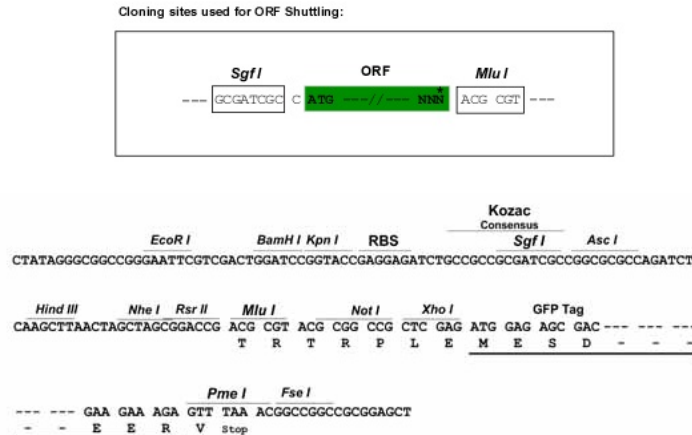
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 SDGGLVTCLLEMAFAGNCGLQVDVPVPRVDVLSVFAEEPGLVLEVPDLAQVLKRYRDAGLHCLLELGH
 TGEAGPHAMVRSVNGAVVLEEPVLELRAWEETSFLDRLQAEPRCAEEERGLRERMGPSYCLPPTFP
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 DDDGNPTEQYPLNPNNGSPGGVAGICSCDGRHLAVMPHPERAVRPWQWAWRPPFDLTTSPWLQLFINAR
 NWTLEGSC

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1610_a12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

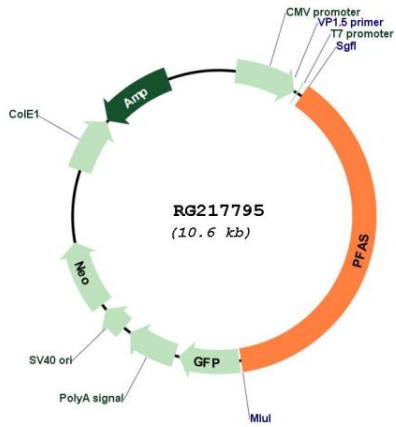


ACCN: NM_012393

ORF Size: 4014 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	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:	<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:	NM_012393.3
RefSeq Size:	5338 bp
RefSeq ORF:	4017 bp
Locus ID:	5198
UniProt ID:	O15067
Cytogenetics:	17p13.1
Protein Pathways:	Metabolic pathways, Purine metabolism
Gene Summary:	Purines are necessary for many cellular processes, including DNA replication, transcription, and energy metabolism. Ten enzymatic steps are required to synthesize inosine monophosphate (IMP) in the de novo pathway of purine biosynthesis. The enzyme encoded by this gene catalyzes the fourth step of IMP biosynthesis. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG217795