

# Recombinant Full Length Human PFAS Protein, C-Flag-tagged

**Cat. No.** PFAS-27HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human PFAS Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | 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.                                                                                                                                                                                                                                |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 144.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MSPVLHFYVRPSGHEGAAPGHTRRKLQGKLPQLQGVETELCYNVNWTAEALPSAE<br>ETKKLMWLFGCPLLL DDVARESWLLPGSNDLLLEVGPRLNFSPTSTNIVSVCRAT<br>GLGPVDRVETTRRYRLSFAHPPSAEVEAI ALATLHDRMTEQHFPHPHIQSFSPESMP<br>EPLNGPINILGEGRLALEKANQELGLALDSWDLDFYTKRFQEL QRNPSTVEAFDLAQ<br>SNSEHSRHWFFKGGQLHVDGQKLVHSLFESIMSTQESSNPNNVLKFCDNSSAIQGKE<br>VRFLRPEDPTRPSRFQQQGLRHVVFTAETHNFPTGVCPPFSGATTGTGGRIRDVQ<br>CTGRGAHVVGATAGY CFGNLHIPGYNLPWEDPSFQYPGNFARPLEVAIEASNGAS<br>DYGKFKGEPVLGAFARSLGLQLPDGQRREW IKPIMFSGGIGSMEADHISKEAPEPG<br>MEVVKVGGPVYRIGVGGGAASSVQVQGDNTSDLDFGAVQRGDPE MEQKMNRVIR |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ACVEAPKGNPICSLHDQGAGGNGNVLKELSDPAGAIYTSRFQLGDPTLNALEIWGA  
 EYQ ESNALLRSPNRDFLTHVSARERCPACFVGTITGDRRIVLVDDRECPVRRNGQ  
 GDAPPTPLPTPVDLELE WVLGKMPRKEFFLQRKPPMLQPLALPPGLSVHQALERV  
 RLPVASKRYLTNKVDRSVGGLVAQQQCVGP LQTPLADVAVVALSHEELIGAATAL  
 GEQPVKSLLDPKVAARLAVAEALTNLVFALVTDLRDVKCSGNMMW AAKLPGEAA  
 LADACEAMVAVMAALGVAVDGGKDSLMAARVGTETVRAPGSLVISAYAVCPDITA  
 TVTP DLKHPEGRGHLLYVALSPGQHRLGGTALAQCFSQLGEHPPDLDPENLVRAF  
 SITQGLLKDRLLCSGHDV SDGGLVTCLEMAFAGNCGLVDPVPRVDVLSVLFAE  
 EPGLVLEVQEPDLAQVLKRYRDAGLHCLELGH TGEAGPHAMVRVSVNGAVVLEEP  
 VGELRALWEETSFQLDRLQAEPRCVAEEERGLRERMGPSYCLPPTFP KASVPREP  
 GGSPRVAILREEGSNGDREMADAFHLAGFEVWDVTMQDLCSGAIGLDTFRGVAF  
 VGGFSYA DVLGSAKGWAAAVTFHPRAGAEELRRFRKRPDTFSLGVCNGCQLLALLG  
 WVGDPNEDAAEMGPDSQPARP GLLLRHNLSGRYESRWASVRVGPMPALMLRG  
 MEGAVLPVWSAHGEGYVAFSSPELQAQIEARGLAPLHWA DDDGNPTEQYPLNPN  
 GSPGGVAGICSCDGRHLAVMPHPERAVRPWQWAWRPPFDTLTTSPWLQLFINAR  
 NWTLEGSCSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Pathways</b> | Metabolic pathways, Purine metabolism                                                                                                         |

**Full Length**
**Full L.**

## GENE INFORMATION

**Gene Name** PFAS phosphoribosylformylglycinamide synthase [ Homo sapiens (human) ]

**Official Symbol** PFAS

**Synonyms** PURL; FGAMS; GATD8; FGARAT; FGAR-AT

**Gene ID** 5198

**mRNA Refseq** NM\_012393.3

**Protein Refseq** NP\_036525.1

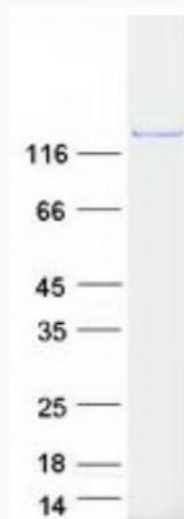
**MIM** 602133

**UniProt ID** O15067

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Coomassie blue staining of purified PFAS protein.

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA