

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

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

SPECIFICATION

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

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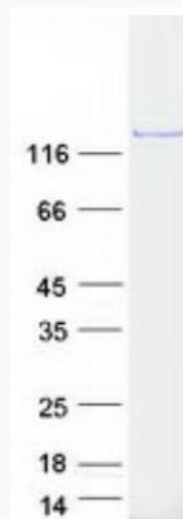
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GDAPPTPLPTPVDLELE WVLGKMPRKEFFLQRKPPMLQPLALPPGLSVHQALERV
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LADACEAMVAVMAALGVAVDGGKDSLMAARVGTETVRAPGSLVISAYAVCPDITA
TVTP DLKHPEGRGHLLYVALSPGQHRLGGTALAQCFSQLGEHPPDLDPENLVRAF
SITQGLLKDRLLCSGHDV SDGGLVTCLLEMAFAGNCGLQVDVPVPRVDVLSVLF
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GSPGGVAGICSCDGRHLAVMPHPERAVRPWQWAWRPPFDTLTTSPWLQLFINAR
NWTLEGSCSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	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  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA



Coomassie blue staining of purified PFAS protein.

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