

Recombinant Human PFAS Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PFAS-5088H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PFAS MS Standard C13 and N15-labeled recombinant protein (NP_036525) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	144.6 kDa
AA Sequence	MSPVLHFYVRPSGHEGAAPGHTRRKLQGKLPQLQGVETELCYNVNWTAEALPSAE ETKKLMWLFGCPLLLDDVARESWLLPGSNDLLLEVGPRLNFSTPTSTNIVSVCRATG LGPVDRVETTRRYRLSFAHPPSAEVEAIALATLHDRMTEQHFPHPIQSFSPESMPEP LNGPINILGEGRLALEKANQELGLALDSWDLDFYTKRFQELQRNPSTVEAFDLAQS SEHSRHWFFKGQLHVDGQKLVHSLFESIMSTQESSNPNNVLKFCDNSSAIQGKEVR FLRPEDPTRPSRFQQQQLRHVVFTAETHNFPTGVCPSFGATTGTGGRIRDVQCT GRGAHVVAGTAGYCFGNLHIPGYNLPWEDPSFQYPGNFARPLEVAIEASNGASDYG NKFGEPLVLAGFARSLGLQLPDGQRREWIKPIMFSGGIGSMADHISKEAPEPGMEV VKVGGPVYRIGVGGGAASSVQVQGDNTSDLDFGAVQRGDPMEQKMNVRVIRACV

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EAPKGNPICS LHDQGAGGNGNVLKELSDPAGAIYTSRFQLGDPTLNALEIWGAHEYQ
 ESNALLRSPNRDFLTHVSARERCPACFVGTITGDRRIVLVDDRECPVRRNGQGDA
 PPTPLPTPVDLELEWVLGKMPRKEFFLQRKPPMLQPLALPPGLSVHQALERVRLPA
 VASKRYLTNKVDRSVGGLVAQQQCVGPLQTPLADVAVVALSHEELIGAATALGEQP
 VKSLDPKVAARLAVAEALTNLVFALVTDLRDVKCSGNMWAALKPGEGAALADAC
 EAMVAVMAALGVAVDGGKDSLSMAARVGTETVRAPGSLVISAYAVCPDITATVTPDL
 KHPEGRGHLLYVALSPGQHRLGGTALAQCFSQLGEHPPDLDPENLVRAFSITQGLL
 KDRLLCSGHVDSDGGLVTCLEMAFAGNCGLQVDVPVPRVDVLSVLFAEEPGLVLE
 VQEPDLAQVLKRYRDAGLHCLELGHTGEAGPHAMVRVSVNGAVVLEEPVGELRAL
 WEETSFQLDRLQAEPRCVAEEERGLRERMGPSYCLPPTFPKASVPREPGGPSRV
 AILREEGSNGDREMADAFHLAGFEVWDVTMQDLCSGAIGLDTFRGVAFVGGFSYAD
 VLGSAKGWAAAVTFHPRAGAE LRFRKRPDTFSLGVCNGCQLLALLGWVGGDPNE
 DAAEMGPDSQPARPGLLL RHNLSGRYESRWASVRVGP GPALMLRGMGAVLPVW
 SAHGEGYVAFSSPELQAQIEARGLAPLHWADDDGNPTEQYPLNPNGSPGGVAGIC
 SCDGRHLAVMPHPERAVRPWQWAWRPPPFDTLTTSPWLQLFINARNWTLEG SCT
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PFAS phosphoribosylformylglycinamide synthase [Homo sapiens (human)]
Official Symbol	PFAS
Synonyms	PFAS; phosphoribosylformylglycinamide synthase; FGAR amidotransferase; FGARAT; KIAA0361; PURL; FGAM synthase; formylglycinamide ribotide synthetase; formylglycinamide ribotide amidotransferase; FGAMS;
Gene ID	5198
mRNA Refseq	NM_012393
Protein Refseq	NP_036525
MIM	602133
UniProt ID	O15067
SDS-PAGE	