

Product datasheet for PH317795

PFAS (NM_012393) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PFAS MS Standard C13 and N15-labeled recombinant protein (NP_036525)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217795
Predicted MW:	144.6 kDa
Protein Sequence:	>RC217795 representing NM_012393 Red=Cloning site Green=Tags(s)

MSPVLHFYVRPSGHEGAAPGHTRRKLQGKLPQLPELQGVETELCYNVNWTAEALPSAEETKKLMWLFGCPLLL
DDVARESWLLPGSNDLLLEVGPRLNFSTPTSTNI VSVCRATGLGPVDRVETTRRYRLSFAHPPSAEVEAI
ALATLHDMTEQHFPHPIQSFSPEMPEPLNGPINILGEGRLALEKANQELGLALDSDWLDYFKRFQEL
QRNPSTVEAFDLAQSNSEHSRHWFFKQQLHVDGQKLVHSLFESIMSTQESSNPNNVLKFCDNSSAIQGKE
VRFLRPEDPTRSRFQQQQLRHVVFTAETHNFPTGVCPSGATTGTGGRI RDVQCTGRGAHV VAGTAGY
CFGNLHIPGYNLPWEDPSFYQGNFARPLEVAIEASNGASDYGNKFGEPVLAGFARSLGLQLPDGQRREW
IKPIMFSGGIGSMEADHISKEAPEPGMEVVKVGGPVYRIGVGGGAASSVQVQGDNTSDLDFGAVQRGDPE
MEQKMNRVIRACVEAPKGNPICSLHDQAGGNGNVLKELSDPAGAI IYTSRFQLGDPTLNALEIWGAIEYQ
ESNALLLRSPNRDFLTHVSARERCPACFVGTITGDRRIVLVDDRECPVRRNGQGDAPPTPLPTPVLDLELE
WVLGKMPRKEFFLQRKPPMLQPLALPPGLSVHQALERVLR LPAVASKRYLTKNVDRSVGGVLAQQQCVGP
LQTPLADVAVVALSHEELIGAATALGEQPVKSLDDPKVAARLAVAEALTNLVFALVTDLRDVKCSGNMMW
AAKLPGEGAALADACEAMVAVMAALGVAVDGGKDSL SMAARVGTETVRAPGSLVISAYAVCPDITATVTP
DLKHPEGRGHLLYVALSPGQHRLGGTALAQCFSQLGEHPPDLDLPENL VRAFSITQGLLKDRLLCSGHDV
SDGGLVTCLLEMAFAGNCGLQVDVPVPRVDVLSVFAEEPGLVLEVQEPDLAQVLKRYRDAGLHCLELGH
TGEAGPHAMVRVSVNGAVVLEEPVGE LRALWEETS FQLDRLQAEPRCAVEEERGLRERMGPSYCLPPTFP
KASVPREPGGSPRVAILREEGSNGDREMADAFHLAGFEVWDVTMQDLCSGAIGLDTRFVAVVGGFSYA
DVLGSAKWAAA VTFHPRAGAELRRFRKRPDTFSLGVCNGCQLLALLGWVGGDPNEDAAEMGPDSQPAPR
GLLLRHNL SGRYESRWASVRVGGPALMLRGMGAVLPVWSAHGEGYVAFSPELQAQIEARGLAPLHWA
DDDGNPTEQYPLNPNGSPGGVAGICSCDGRHLAVMPHERAVRPWQAWRPPFDLTTSPWLQLFINAR
NWTLEGSC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

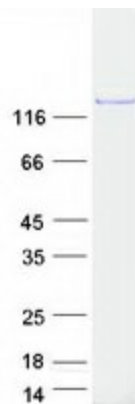
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_036525
RefSeq Size:	5338
RefSeq ORF:	4014
Synonyms:	FGAMS; FGAR-AT; FGARAT; GATD8; PURL
Locus ID:	5198
UniProt ID:	O15067 , A8K9T9 , Q6P4B4
Cytogenetics:	17p13.1
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]
Protein Pathways:	Metabolic pathways, Purine metabolism

Product images:



Coomassie blue staining of purified PFAS protein (Cat# [TP317795]). The protein was produced from HEK293T cells transfected with PFAS cDNA clone (Cat# [RC217795]) using MegaTran 2.0 (Cat# [TT210002]).