

## PFAS Protein, Human, Recombinant (His &amp; Myc &amp; SUMO)

## General Information

Synonyms:	Phosphoribosylformylglycinamide synthase;KIAA0361;PFAS;FGAMS; Phosphoribosylformylglycineamide amidotransferase;Formylglycinamide ribonucleotide amidotransferase (FGAR amidotransferase;FGAR-AT);FGAM synthase;Formylglycinamide ribotide amidotransferase
Protein Construction:	1064-1302 aa
Species:	Human
Expression Host:	E. coli
Accession:	O15067
Molecular Weight:	45.4 kDa (predicted)
AA Sequence:	RVAILREEGSNGDREMADAFHLAGFEVWDVTMQDLCGAIGLDTRGVAFVGGFSYADVLGSAKGWAAAVT FHPRAGAE LRFRKRPDTFSLGVCNGCQLLALLGWVGGDPNEDAAEMGPDSQPARPGLLLRHNLSGRYESR WASVRVGGPALMLRGMGAVLPVWSAHGEGYVAFSSPELQAQIEARGLAPLHWADDDGNPTEQYPLNP NGSPGGVAGICSCDGRHLAVMPHPERAV

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

## Preparation and Storage

## Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

Phosphoribosylformylglycinamide synthase involved in the purines biosynthetic pathway. Catalyzes the ATP-

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dependent conversion of formylglycinamide ribonucleotide (FGAR) and glutamine to yield formylglycinamide ribonucleotide (FGAM) and glutamate.

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