

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

Cat. No. PPAT-1367HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PPAT Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a member of the purine/pyrimidine phosphoribosyltransferase family. It is a regulatory allosteric enzyme that catalyzes the first step of de novo purine nucleotide biosynthetic pathway. This gene and PAICS/AIRC gene, a bifunctional enzyme catalyzing steps six and seven of this pathway, are located in close proximity on chromosome 4, and divergently transcribed from an intergenic region.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	57.2 kDa
AA Sequence	MELEELGIREECGVFGCIASGEWPTQLDVPHVITLGLVGLQHRGQESAGIVTSDGSS VPTFKSHKGMGLV NHVFTEDNLKKLYVSNLIGHTRYATTGKCELENCQPFVVETL HGKIAVAHNDELVNAARLRKKLLRHGI GLSTSSDSEMITQLLAYTPPQEQQDDTPDWV ARIKNLMKEAPTAYSLLIMHRDVIYAVRDPYGNRPLCIGR LIPVSDINDKEKKTSETEG WVSSSESCSFLSIGARYYREVLPGEIVEISRHNVTLDIISRSEGNPVAFC IFEYVYFA RPDSMFEDQMVYTVRYRCGQQLAIEAPVDADLVSTVPESATPAALAYAGKCGLPYV EVLCKN RYVGRTFIQPNMRLRQLGVAKKFGVLSDNFKGKRIVLVDDSIVRGNTISPII

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KLLKESGAKEVHIRVASP PIKYP CFMGINIPTKEELIANKPEFDHLAEYLGANSVVYLS
VEGLVSSVQEGIKFKKQKEKKHDI MIQEN
GNGLECFEKS GHCTACLTGKYPVELEWTRTRPLEQKLISEEDLAANDILDYKDDDDK
V

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 Families	Druggable Genome, Protease
Protein Pathways	Alanine, aspartate and glutamate metabolism, Metabolic pathways, Purine metabolism
Full Length	Full L.

GENE INFORMATION

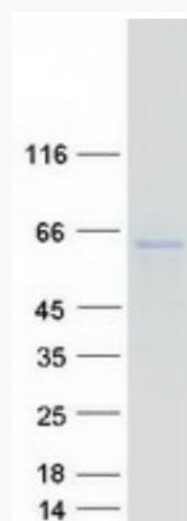
Gene Name	PPAT phosphoribosyl pyrophosphate amidotransferase [Homo sapiens (human)]
Official Symbol	PPAT
Synonyms	GPAT; PRAT; ATASE

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Gene ID	5471
mRNA Refseq	NM_002703.5
Protein Refseq	NP_002694.3
MIM	172450
UniProt ID	Q06203



Coomassie blue staining of purified PPAT protein.