

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

Cat. No. PPAT-597H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PPAT MS Standard C13 and N15-labeled recombinant protein (NP_002694) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	57.4 kDa
AA Sequence	MELEELGIREECGVFGCIASGEWPTQLDVPHVITLGLVGLQHRGQESAGIVTSDGSS VPTFKSHKGMGLVNHVFTEDNLKKLYVSNLGIGHTRYATTGKCELENCQPFVETLH GKIAVAHNGELVNAARLRKKLLRHGIGLSTSSDSEMITQLLAYTPPQEQQDDTPDWVA RIKNLMKEAPTAYSLLIMHRDVIYAVRDPYGNRPLCIGRLIPVSDINDKEKKTSETEGW VVSSESCSFLSIGARYYYREVLPGEIVEISRHNVTLDIISRSEGNPVAFCIFEYVYFAR PDSMFEDQMVYTVRYRCGQQLAIEAPVDADLVSTVPESATPAALAYAGKCGLPYVE VLCKNRYVGRFTIQPNMRLRQLGVAKKFGVLSDNFKGKRIVLVDDSIVRGNTISPIIKL

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LKESGAKEVHIRVASPPIKYPFCMGINIPTKEELIANKPEFDHLAEYLGANSVVYLSVE
GLVSSVQEGIKFKKQKEKKHDDIMIENGNGLECFEKS GHCTACLTGKYPVELEWTRT
RPLEQKLISEEDLAANDILDYKDDDDKV

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 PPAT phosphoribosyl pyrophosphate amidotransferase [Homo sapiens (human)]

Official Symbol PPAT

Synonyms PPAT; phosphoribosyl pyrophosphate amidotransferase; amidophosphoribosyltransferase; GPAT; PRAT; glutamine PRPP amidotransferase; glutamine phosphoribosylpyrophosphate amidotransferase; glutamine phosphoribosylpyrophosphatase amidotransferase; ATASE;

Gene ID 5471

mRNA Refseq NM_002703

Protein Refseq NP_002694

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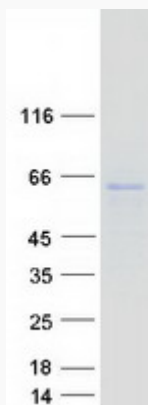
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MIM 172450

UniProt ID Q06203

SDS-PAGE



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