

Product datasheet for **TP301144M**

Phosphoribosyl pyrophosphate amidotransferase (PPAT) (NM_002703) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphoribosyl pyrophosphate amidotransferase (PPAT), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201144 protein sequence Red =Cloning site Green =Tags(s)

MELEELGIREECGVFGCIASGEWPTQLDVPVHITLGLVGLQHRGQESAGIVTSDGSSVPTFKSHKGMGLV
NHVFTEDNLKKLYVSNLGIGHTRYATTGKCELENCQPFVETLHGKIAVAHNGELVNAARLRKKLLRHGI
GLTSSDSEMITQLLAYTPPQEQDDTPDWVARIKMLMKEAPTAYSLLIMHRDVIYAVRDPYGNRPLCIGR
LIPVSDINDKEKKTSETEGWVVSSESCSFLSIGARYYREVLPGEIVEISRHNVQTLDIISRSEGNPVAFC
IFEYVVFARPDMSFEDQMVYTVRYRCGQQLAIEAPVDADLVSTVPESATPAALAYAGKCGLPYVEVLCKN
RYVGRTFIQPNMRLRQLGVAKKFGVLSDNFKGKRIVLDDSIVRGNTISPIIKLLKESGAKEVHIRVASP
PIKYPFCFMGINIPTKEELIANKPEFDHLAEYLGANSVWYLSVEGLVSSVQEGIKFKKQKEKKHDIMIQEN
GNGLECFEKS GHCTACTLGKYPVELEW

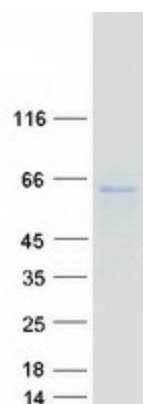
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	57.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002694
Locus ID:	5471
UniProt ID:	Q06203 , A8K4H7 , Q59G63
RefSeq Size:	3713
Cytogenetics:	4q12
RefSeq ORF:	1551
Synonyms:	ATASE; GPAT; PRAT
Summary:	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. [provided by RefSeq, Mar 2011]
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Alanine, aspartate and glutamate metabolism, Metabolic pathways, Purine metabolism

Product images:

Coomassie blue staining of purified PPAT protein (Cat# [TP301144]). The protein was produced from HEK293T cells transfected with PPAT cDNA clone (Cat# [RC201144]) using MegaTran 2.0 (Cat# [TT210002]).