

Product datasheet for TP301144

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

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphoribosyl pyrophosphate amidotransferase (PPAT)
Species:	Human
Expression Host:	HEK293T
Tag:	C-Myc/DDK
Predicted MW:	57.2 kDa
Concentration:	>50 ug/mL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Storage:	Store at -80°C.
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
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]

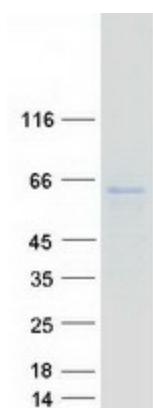


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Protein Families: Druggable Genome, Protease

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]).