

Recombinant Rat Ppat, His-tagged

Cat. No. Ppat-3408R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Amidophosphoribosyltransferase (Ppat)
Species	Rat
Source	E.Coli/Yeast
ProteinLength	517
Description	catalyzes the irreversible reaction between 5- phosphoribosyl-1-pyrophosphate, glutamine, and water to form 5P-phosphoribosyl-1-amine, glutamate, and inorganic pyrophosphate .
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of Ppat recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol

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Warning

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name Ppat phosphoribosyl pyrophosphate amidotransferase [Rattus norvegicus]

Official Symbol Ppat

Synonyms PPAT; phosphoribosyl pyrophosphate amidotransferase; amidophosphoribosyltransferase; GPAT; glutamine phosphoribosylpyrophosphate amidotransferase; Atase; MGC93251;

Gene ID 117544

mRNA Refseq NM_057198

Protein Refseq NP_476546

Pathway Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, conserved biosystem; Inosine monophosphate biosynthesis, PRPP + glutamine =>IMP, organism-specific biosystem; Inosine monophosphate bio

Function 4 iron, 4 sulfur cluster binding; amidophosphoribosyltransferase activity; metal ion binding; transferase activity, transferring glycosyl groups;

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