

Recombinant Human ATIC protein, His-tagged

Cat. No. ATIC-24H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATIC, fused with N-His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	607aa(including fusion tag)
Description	Bifunctional purine biosynthesis protein PURH is a bifunctional protein that catalyzes the last two steps of the de novo purine biosynthetic pathway. The N-terminal domain has phosphoribosylaminoimidazolecarboxamide formyltransferase activity, and the C-terminal domain has IMP cyclohydrolase activity. A mutation in this gene results in AIC A-ribosiduria.
Form	20mM Tris.Cl, 50mM NaCl, 50% Glycerol, pH8.0.
Molecular Mass	66.5kDa(including fusion tag)
Applications	WB, ELISA, IP, antibody production, protein array
Storage	Store at -80°C and avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	ATIC 5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP
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	cyclohydrolase [Homo sapiens]
Official Symbol	ATIC
Synonyms	ATIC; AICARFT; IMPCHASE; PURH; AICAR; FLJ93545;
Gene ID	471
mRNA Refseq	NM_004044
Protein Refseq	NP_004035
MIM	601731
UniProt ID	P31939
Chromosome Location	Inosine monophosphate biosynthesis, PRPP + glutamine =>IMP, organism-specific biosystem; Inosine monophosphate biosynthesis, PRPP + glutamine => IMP, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem;
Pathway	IMP cyclohydrolase activity; hydrolase activity; phosphoribosylaminoimidazolecarboxamide formyltransferase activity; protein homodimerization activity; transferase activity;