

Recombinant Human PAICS, His-tagged

Cat. No. PAICS-1511H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PAICS protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-350aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	PAICS phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase [Homo sapiens]
Official Symbol	PAICS
Synonyms	PAICS; phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase; PAIS; multifunctional protein ADE2; ADE2H1; AIRC; AIR carboxylase; SAICAR synthetase; multifunctional protein ADE2H1; ADE2;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	MGC1343; MGC5024; DKFZp781N1372;
Gene ID	10606
mRNA Refseq	NM_001079524
Protein Refseq	NP_001072992
MIM	172439
UniProt ID	P22234
Chromosome Location	4q12
Pathway	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;
Function	5-(carboxyamino)imidazole ribonucleotide mutase activity; ATP binding; identical protein binding; ligase activity; lyase activity; nucleotide binding; phosphoribosylaminoimidazole carboxylase activity; phosphoribosylaminoimidazolesuccinocarboxamide syntha