

Recombinant Human PAH, His-tagged

Cat. No. PAH-1510H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PAH protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-276aa
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	PAH phenylalanine hydroxylase [Homo sapiens]
Official Symbol	PAH
Synonyms	PAH; phenylalanine hydroxylase; phenylalanine-4-hydroxylase; PH; phenylalanine 4 monooxygenase; phe-4-monooxygenase; phenylalanine 4-monooxygenase; PKU; PKU1;

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Gene ID	5053
mRNA Refseq	NM_000277
Protein Refseq	NP_000268
MIM	612349
UniProt ID	P00439
Chromosome Location	12q22-q24.2
Pathway	Biogenic Amine Synthesis, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Phenylalanine and tyrosine catabolism, organism-specific biosystem; Phenylalanine metabolism, organism-specific biosystem; Phenylalanine metabolism, conserved biosystem;
Function	amino acid binding; iron ion binding; metal ion binding; phenylalanine 4-monooxygenase activity;

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