

Recombinant Human PAH(415 Asn/Asp), His-tagged

Cat. No. PAH-467H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the human PAH (Met 1-Lys 452) (415 Asn/Asp) was expressed, with a polyhistidine tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	Met 1-Lys 452
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human PAH consists of 471 amino acids and predicts a molecular mass of 54 kDa. It migrates as an approximately 50 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 70 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	PAH phenylalanine hydroxylase [Homo sapiens]
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Official Symbol	PAH
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Synonyms

PAH; phenylalanine hydroxylase; phenylalanine-4-hydroxylase; PH; phenylalanine 4 monooxygenase; phe-4-monooxygenase; phenylalanine 4-monooxygenase; PKU; PKU1;

Gene ID	5053
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mRNA Refseq	NM_000277
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Protein Refseq	NP_000268
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MIM	612349
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UniProt ID	P00439
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