

# Recombinant Human PAH Protein, MYC/DDK-tagged, C13 and N15-labeled

**Cat. No.** PAH-199H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	PAH MS Standard C13 and N15-labeled recombinant protein (NP_000268) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes a member of the bipterin-dependent aromatic amino acid hydroxylase protein family. The encoded phenylalanine hydroxylase enzyme hydroxylates phenylalanine to tyrosine and is the rate-limiting step in phenylalanine catabolism. Deficiency of this enzyme activity results in the autosomal recessive disorder phenylketonuria. [provided by RefSeq, Aug 2017]
<b>Molecular Mass</b>	51.8 kDa
<b>AA Sequence</b>	MSTAVLENPGLGRKLSDFGQETSYIEDNCNQNQNGAISLIFSLKEEVGALAKVLRRLFEEEN DVNLTHIESRPSRLKKDEYEFFTHLDRSLPALTNIILRHDIGATVHELSDKKKDTV PWFPRTIQELDRFANQILSYGAELDADHPGFKDPVYRARRKQFADIAYNYRHGQPIP RVEYMEEGKKTWGTVFKTLKSLYKTHACYEYNHIFPILLEKYCGFHEDNIPQLEDVVSQ FLQTCTGFRLRPVAGLLSSRDFLGGLAFRVFHCTQYIRHGSKPMYTPDPDICHHELLG HVPLFSDRSFAQFSQEIGLASLGAPDEYIEKLATIWFTVEFGLCKQGDSIKAYGAGL LSSFGELQYCLSEKPKLLPLELEKTAIQNYTVTEFQPLYYVAESFNDAKEKVRNFAATI PRPFSVRYDPYTQRIEVLDNTQQLKILADSINSEIGILCSALQKIKTRTRPLEQKLISEE

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DLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** PAH phenylalanine hydroxylase [ Homo sapiens (human) ]

**Official Symbol** PAH

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

**Gene ID** 5053

**mRNA Refseq** NM\_000277

**Protein Refseq** NP\_000268

**MIM** 612349

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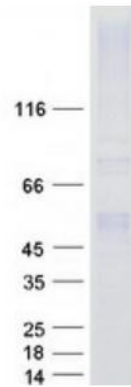
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UniProt ID

P00439

SDS-PAGE



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