

Product datasheet for **TP304694**

PAH (NM_000277) Human Recombinant Protein

Product data:

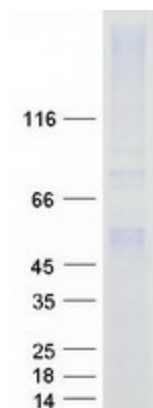
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phenylalanine hydroxylase (PAH)
Species:	Human
Expression Host:	HEK293T
Tag:	C-Myc/DDK
Predicted MW:	51.7 kDa
Concentration:	>50 ug/mL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000268
Locus ID:	5053
RefSeq Size:	2680
Cytogenetics:	12q23.2
RefSeq ORF:	1356
Synonyms:	PH; PKU; PKU1
Summary:	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]
Protein Families:	Druggable Genome



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Protein Pathways: Metabolic pathways, Phenylalanine, tyrosine and tryptophan biosynthesis, Phenylalanine metabolism

Product images:



Coomassie blue staining of purified PAH protein (Cat# TP304694). The protein was produced from HEK293T cells transfected with PAH cDNA clone (Cat# [RC204694]) using MegaTran 2.0 (Cat# [TT210002]).