

Product datasheet for **RC204694L4V**

PAH (NM_000277) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PAH (NM_000277) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PAH
Synonyms:	PH; PKU; PKU1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000277
ORF Size:	1356 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204694).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_000277.1 , NP_000268.1
RefSeq Size:	2680 bp
RefSeq ORF:	1359 bp
Locus ID:	5053
UniProt ID:	P00439
Cytogenetics:	12q23.2
Domains:	biopterin_H, ACT
Protein Families:	Druggable Genome



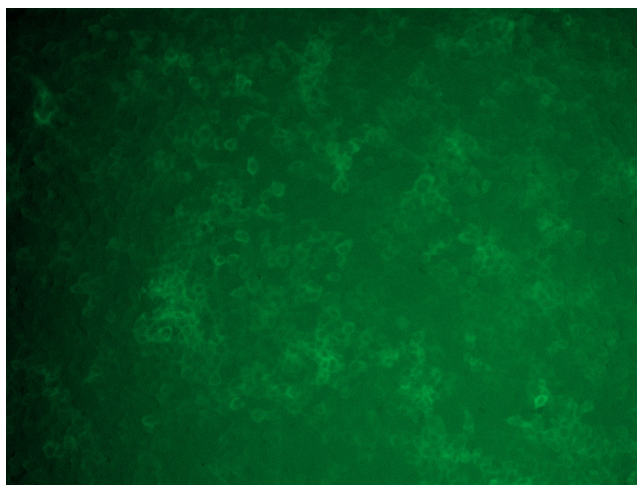
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Protein Pathways: Metabolic pathways, Phenylalanine, tyrosine and tryptophan biosynthesis, Phenylalanine metabolism

MW: 51.8 kDa

Gene Summary: This gene encodes a member of the biopterin-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]

Product images:



[RC204694L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC204694L4V particle to overexpress human PAH-mGFP fusion protein.