

Product datasheet for **SC210433**

PAH (NM_000277) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PAH (NM_000277) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PAH
Synonyms:	PH; PKU; PKU1
ACCN:	NM_000277
Insert Size:	2000 bp



[View online »](#)

Insert Sequence:

>SC210433 3'UTR clone of NM_000277

The sequence shown below is from the reference sequence of NM_000277. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTTTGCAGTGCCCTCCAGAAAATAAAGTAAAGCCATGGACAGAATGTGGTCTGTGAGCTGTGAATCTGT
TGATGGAGATCCAACACTTTTCTTTCATCAGAAAAAGTCCGAAAAGCAAACCTTAATTTGAAATAACAGC
CTTAAATCCTTTACAAGATGGAGAAACAACAATAAGTCAAAAATAATCTGAAATGACAGGATATGAGTA
CATACTCAAGAGCATAATGGTAAATCTTTGGGGTCATCTTTGATTTAGAGATGATAATCCCATACTCT
CAATTGAGTTAAATCAGTAATCTGTCGATTTTCATCAAGATTAATTAATAATTTGGGACCTGCTTCATTC
AAGCTTCATATATGCTTTGCAGAGAACTCATAAAGGAGCATATAAGGCTAAATGTAACACAAGACTG
TCATTAGAATTGAATTATTGGGCTTAATAATAAATCGTAACCTATGAAGTTTATTTTCTATTTTAGTTAA
CTATGATTCCAATTACTACTTTTGTATTGTACCTAAGTAAATTTCTTTAAGTCAGAAGCCCATTAATA
TAGTTACAAGCATTGAACCTCTTTAGTATTATATTAATAATAAAAACATTTTGTATGTTTTATTGTAA
CATAAATACTGCTGTATAAGGTAATAAACTCTGCACCTAATCCCATAACTTCCAGTATCATTTTCCA
ATTAATTAACAAGTCTGTTTTGGGAAACACTTTGAGGACATTTATGATGCAGCAGATGTTGACTAAAGG
CTTGGTTGGTAGATATTCAGGAAATGTTCACTGAATAAATAAGTAAATACATTATTGAAAAGCAAATCT
GTATAAATGTGAAATTTTATTTGATTAGTAATAAACATTAGTAGTTTAAACAATTTCACTGTTTCA
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TGGACAGTCAACGGACTTTGACTTTTGTGATTGTGTTTGCCATGAAAACATGAATATCTGAGAAGC
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TTGAAAATAGTTAAGTCTTAAAGAAATTTGCATAGTGTCTTTGAGTTTATGTTCTCAGAACAGCTGTAG
TATCATCAACAGCAAATCTGGGTACCTTCCAGCTCCACCCAATTTGAATCTCTGAAGATAAGGCCCA
GAGACCTGTATTTTAAAGTACCCCATTTTAAATTTATTCATAGCCAAATCTATCAGGTACATTCACT
TTGAGAAAACCTGATTTGTGGTGGTCAGTCTGCCACTGCCAATGATGTCAATGTGGATAAGCTGTTTCC
CTTCTTTAGACCTCAGTGTCACTCTAACAATGAGGGAGTTAACTTTATAAACCAAGGTCCATTGCAGC
CTTGAAATATGATTCAAGTGTTCATATGTGTCTTTATATAGCTATGCCTGATCCACTGATGGGTGTTA
CAATACCTGCTTATATATGCCAGCTGGGAGGAAAGAGGAATTTACTGAATGTGTCTGAAGTTTCATTGT
TTTGAAGTTGGAATTTTATGCCTGTATCTATGTTTATGCCTTTGTAAAACCCACTGATTTTAAAAGTGA
AAAAGGACTTTTTTCTCTGCTTTTACTCTAAACACCAAACAATCCCTGCAAAGGGATTATTCTGATGTT
TCTTCATTTACATGAAAAGTAAATTTGACTCTGGAACCTAAATATTAGATAATTTTTGACAATA
TTGAAGAGTGAGTTTTAGTCCAGTAAAGATGTTTTAATGAGCTTGAAGGTAAGTTTCGGTTAAGTTAT
GATTTTACAGGAAGTTACATACTGAATGAAAGATAATTTTGTATTTTGGTAATGTGCTACTCAGT
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCCTTCTATGAAAGG
    
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Restriction Sites:

SgfI-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq:

[NM_000277.3](#)

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]

Locus ID: 5053

MW: 77.8