

Product datasheet for RN210811

Pah (NM_012619) Rat Untagged Clone

Product data:

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|----------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Pah (NM_012619) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Pah |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >RN210811 representing NM_012619 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCTGTTGTCCTGGAGAATGGAGTCTGAGCAGAAACTCTCAGACTTTGGGCAGGAAACAAGCT
ATATTGAAGACAACCAATCAAATGGTGCCATATCTCTGATATTCTCACTCAAAGAGGAAGTTGGTGC
CCTAGCCAAGGTCTGCGCTTATTTGAGGAGAACGATATCAACCTGACACACATTGAATCCAGACCTTCT
CGTTTAAACAAAGATGAGTATGAGTTCCTCACTTATCTGGATAAGCGTAGCAAACCTGTTCTGGGCAGCA
TCATCAAGAGCCTGAGGAATGACATTGGTGCCACTGTCCACGAGCTTTCCCGAGACAAGGAAAAGAACAC
AGTGCCCTGGTTCCCAAGGACCATTCAGGAGTTGGACCGATTCGCCAATCAGATTCTCAGCTATGGAGCC
GAACTGGATGCGGACCACCCAGGCTTTAAAGATCCTGTGTACCGGGCGAGACGAAAGCAGTTTGCTGACA
TTGCCTACAACCTACCGCCATGGCCAGCCCATCCCTCGGGTGAATACACAGAGGAAGAGAAGCAGACCTG
GGGAACGGTGTTCAGGACCTTGAAGCCTTGTATAAACACATGCCTGCTACGAGCACAACCACATTTTC
CCACTTCTGGAAGTACTGCGGTTCCGTGAAGACAACATTCCACAGCTGGAAGATGTTTCTCAATTTTC
TGCAGACTGTACTGGTTCCGCTCCGACCTGTTGCTGGCTTACTGTCATCTCGAGATTTCTTGGGTGG
CCTGGCCTCCGAGTCTTCCACTGCACACAGTACATTAGGCATGGATCGAAGCCCATGTACACACCTGAA
CCTGACATCTGCCATGAACCTTTGGGACATGTGCCCTTTGTTTTAGATCGCAGCTTTGCCAGTTTTCTC
AGGAAATTGGGCTTGCATCACTGGGGCACCTGATGAGTACATTGAGAACTGGCCACAATTTACTGGTT
TACTGTGGAGTTTGGGCTTTGCAAGGAAGGAGATTCTATAAAGGCATATGGTGCTGGGCTTTGTGATCC
TTTGGAGAATTACAGTACTGTTTATCAGACAAGCCAAAGCTCTCCCCCTGGAGCTAGAGAAGATAGCCT
GCCAGGAGTATTCTGTACAGAGTTCAGCCCTTGTACTACGTGGCGGAGAGTTTCAGTGATGCCAAGGA
GAAAGTGAGGACTTTTGTGCCACGATCCCTCGGCCCTTCTCGGTTGCTATGACCCTTACACTCAAAGG
GTTGAGTCTGGACAATACTCAGCAGTTGAAGATTTTAGCTGACTCCATTAATAGTGAGGTCCGAATCC
TTTGCAATGCCCTGCAGAAGATAAAGTCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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|-------------------------------|---|
| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_012619 |
| Insert Size: | 1362 bp |
| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| Reconstitution Method: | <ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| RefSeq: | <u>NM_012619.2</u> , <u>NP_036751.2</u> |
| RefSeq Size: | 2040 bp |
| RefSeq ORF: | 1362 bp |
| Locus ID: | 24616 |
| Cytogenetics: | 7q13 |
| Gene Summary: | catalyzes the conversion of phenylalanine to tyrosine; deficiency in humans causes genetic disorder phenylketonuria [RGD, Feb 2006] |