

Product datasheet for **MR207240**

Pah (NM_008777) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pah (NM_008777) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pah
Synonyms:	AW106920
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207240 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGCTGTTGTCCTGGAGAACGGAGTCTGAGCAGAAAACCTCTCAGACTTTGGGCAGGAAACAAGTT
 ACATCGAAGACAACCTCCAATCAAAATGGTGTGTATCTCTGATATTCTCACTCAAAGAGGAAGTTGGTGC
 CCTGGCCAAGGTCTGCGCTTATTTGAGGAGAATGAGATCAACCTGACACACATTGAATCCAGACCTTCT
 CGTTTAAACAAAGATGAGTATGAGTTTTTACCTATCTGGATAAGCGTAGCAAGCCCGTCTGGGCAGCA
 TCATCAAGAGCCTGAGGAACGACATTGGTGCCACTGTCCATGAGCTTTCCCGAGACAAGGAAAAGAACAC
 AGTGCCCTGGTTCCCAAGGACATTGAGGAGCTGGACAGATTCCCAATCAGATTCTCAGCTATGGAGCC
 GAACTGGATGCAGACCACCCAGGCTTTAAAGATCCTGTGTACCGGGCGAGACGAAAGCAGTTTGCTGACA
 TTGCTTACAACCTACCGCCATGGGCAGCCATTCTCGGGTGAATACACAGAGGAGGAGGAAGACCTG
 GGAACGGTGTTCAGGACTCTGAAGCCTTGATAAAACACATGCCTGCTACGAGACAACCACATCTTC
 CCTCTTCTGAAAAGTACTGCGGTTTCCGTGAAGACAACATCCCGCAGCTGGAAGATGTTTCTCAGTTTC
 TGCAGACTTGTACTGGTTCCCGCTCCGCTCTGTTGCTGGCTTACTGTCGCTCAGAGATTCTTGGGTGG
 CCTGGCCTCCGAGTCTTCCACTGCACACAGTACATTAGGCATGGATCTAAGCCCATGTACACACCTGAA
 CCTGATATCTGTCATGAACCTCTGGGACATGTGCCCTTGTTCAGATAGAAGCTTTGCCAGTTTTTCTC
 AGGAAATTGGGCTTGCATCGCTGGGGCACCTGATGAGTACATTGAGAACTGGCCACAATTTACTGGTT
 TACTGTGGAGTTTGGGCTTTGCAAGGAAGGAGATTCTATAAAGGCATATGGTGTGGGCTTGTGCATCC
 TTTGGAGAATTACAGTACTGTTTATCAGACAAGCCAAAGCTCTGCCCTGGAGCTAGAGAAGACAGCCT
 GCCAGGATATACTGTACAGAGTCCAGCCCTGTACTATGTGGCCGAGAGTTTCAATGATGCCAAGGA
 GAAAGTGAGGACTTTTGCTGCCACAATCCCGGCCCTTCTCCGTTTCGCTATGACCCCTACACTCAAAGG
 GTTGAGGTCTGGACAATACTCAGCAGTTGAAGATTTAGCTGACTCCATTAATAGTGAGGTTGGATCC
 TTTGCCATGCCCTGCAGAAAATAAAGTCA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207240 protein sequence
 Red=Cloning site Green=Tags(s)

MAAVLENGVLSRKL SDFGQETSYIEDNSNQNGAVSLIFSLKEEVGALAKVLRLEFEENEINLTHIESRPS
 RLNKDEYEFFTYL DKRSKPVLSIIKSLRNDIGATVHEL SRDKEKNTVPWFPTIQELDRFANQILSYGA
 EL DADHPGFKDPVYRARRKQFADIAYNYRHGQPIPRVEYTEERKTWGTVFRTLKALYKTHACYEHNHIF
 PLLEKYCGFREDNIPQLEDVVSQFLQTCGFRLRPVAGLLSSRDFLGGLAFRVFHCTQYIRHGSKPMYTP
 PDICHELLGHVPLFSDRSFAQFSQEI GLASL GAPDEYIEKLATIIYWFTVEFGLCKEGDSIKAYGALLSS
 FGELQYCLSDKPKLLPLELEKTACQEYTVTEFQPLYYVAESFNDAKEKVRTFAATIPRPFVSVRYDPYTQR
 VEVLDNTQQLKILADSINSEVGILCHALQKIKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_008777

ORF Size: 1362 bp

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.

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:

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: [NM_008777.1](#), [NM_008777.2](#), [NM_008777.3](#), [NP_032803.1](#)

RefSeq Size: 2152 bp

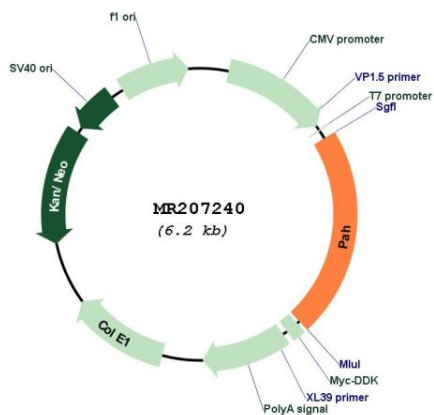
RefSeq ORF: 1362 bp

Locus ID: 18478

UniProt ID: [P16331](#)

Cytogenetics: 10 43.64 cM
MW: 51.9 kDa
Gene Summary: Catalyzes the hydroxylation of L-phenylalanine to L-tyrosine.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207240