

Product datasheet for MR206081

Pafah2 (NM_133880) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pafah2 (NM_133880) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pafah2
Synonyms:	2310074E22Rik; AI507170
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206081 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCCGGCCAGTCTGTGTGCTTCCACCCATCTCGGGACCCACCACATTGGCTGCACGGATGTGA
TGGAGGGTCACAGTCTTGAGGGGAGCCTTCCGACTCTTCTACCTTGCCAAGCATCAGAGAAGTGCGA
GCAGCCCTGTGGATTCCCGCTACGAGTACAGCATGGGTCTGGCCGATTACCTGCAGTATAACAAGCGC
TGGGTGGGGTGTGTTCAACGTGGGTATCGGATCTTGTGCTTGCCTGTTAGCTGGAACGGCCCTTTA
AGGCAAAGGAGTCTGGATACCCTTTGATCATCTTGTCCATGGCCTAGGAGGGTTCAGGGCGTCATACTC
GGCCTTCTGCATGGAGCTGGCCTCTCGTGGCTTTGTGGTTGCTGCCGTAGAGCACAGGGACCAGTCAGCT
GCGGCCACCTACTTCTGCAAGCCAACCTCCCAGGAGAGCTCTCCCGCTGAATCTCTGGAGGAGGAGTGGC
TCCCTTCCGTCGCATCAAGGAAGGGGAGAAGGAGTTCACGTCAGGAATCCTCAGGTGCACCAGCGGGT
GAAAGAGTGTGTGCGAGTGTGCGGATCCTTCAGGACGCCTCTGCTGGGAAGACTGTCGTCAATGTCTTC
CCAGGAGGACTGGATCTGATGACCTTGAAGGCGAGCGTCGACACGAGCCGCGTGGCCGTGATGGTCACT
CCTTTGGAGGAGCTACGGCTGTTCTTGTCTTACCAGGAGGTCCAGTTTCGGTGTGCTATAGCCCTGGA
CGCTTGGATGTTCCCTCTGGAACGGGACTTTTACCCAAAGCCCGGGGCCCTGTGTTCTTTATCAACGTC
GAGAAATTCAGACGGTAGAGAGCGTCAACTTGATGAAGAAGACTGTGCCACGACGAGCAGTCCAGGA
TCGTGACTGTCTAGGCGCTGTTTCATCGGAGTCAAAGTCAACTGACTTTGCTTTGTGACGGGCAACTGATTGC
TAAATTCTTTCCAGTAACCTCTCGTGGTACCTTGACCCTTACGAAAGTCAAGAGGTCATGGTGAGGGCC
ATCTTGGCCTTCTGCAGAAGCACCTTGACCTGAAGGAAGACTACGATCAATGGAGCAGCTTCATCGAAG
GCGTCGGACCATCGTCAATCCAAGGGGCCCGCACTATCTGTCTAGTCTA

ACGGTACGGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206081 protein sequence
Red=Cloning site Green=Tags(s)

MGAGQSVCFPPISGPHHIGCTDVMEGHSLEGLFRLFYPCQASEKCEQPLWIPRYEYSMGLADYLQYNKR
 WVGLLFNVGIGSCLPVSWNPGFKAKESGYPLIILSHGLGGFRASYSAFCMELASRGFVVAAVEHRDQSA
 AATYFCKPTSQESSPAESLEEEWLPFRRIKEGEKEFHVRNPQVHQRVKECVRLRLQDASAGKTVNVF
 PGGLDLMTLKGSVDTSRVAVMGHSFGGATAVLALTQEVQFRCAIALDAWMFPLERDFYPKARGPVFFINV
 EKFTQVESVNLKMKICAQHEQSRIVTVLGAVHRSQTDFAFVTGNLIAKFFSSNSRGTLDPYESQEVMVRA
 ILAFLQKHLDLKDQSSSIEGVGPSLIQGAPHYLSSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_133880

ORF Size: 1173 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_133880.1](#), [NP_598641.1](#)

RefSeq Size: 3183 bp

RefSeq ORF: 1173 bp

Locus ID: 100163

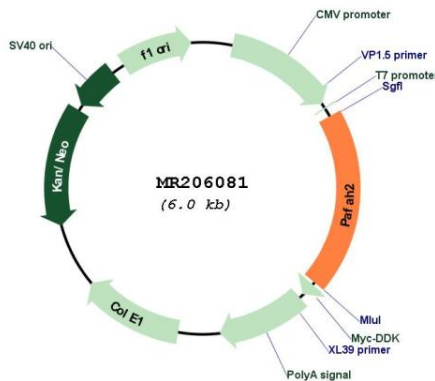
UniProt ID: [Q8VDG7](#)

Cytogenetics: 4 D3

MW: 43.5 kDa

Gene Summary: Has a marked selectivity for phospholipids with short acyl chains at the sn-2 position. May share a common physiologic function with the plasma-type enzyme (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206081