

Product datasheet for **MC201744**

Pafah2 (NM_133880) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pafah2 (NM_133880) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pafah2
Synonyms:	2310074E22Rik; AI507170
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC025495 sequence for NM_133880
 CCACGCGTCCGCCCGGGCCTCTCTTTCAGTGGACCTTGGTAGGTGTCTCAGGCATGAAAATCCTGGGAG
 AGAAGAATTCATTTTGCCAAAGGATCTATGCCAGAAAATAAGAAAGACCTCAGTTGGCCAGCAAATCCC
 GAGCACCCGGCTTTGGTCCAGCTGGTATGAGATGGGGGCCGGCCAGTCTGTGTGCTTCCCACCCATCTC
 GGGACCCACACATTGGCTGCACGGATGTGATGGAGGGTCACAGTCTTGAGGGGAGCCTTCCGACTC
 TTCTACCCTTGCCAAGCATCAGAGAAGTCCGAGCAGCCCTGTGGATTCCCCGCTACGAGTACAGCATGG
 GTCTGGCCGATTACCTGCAGTATAACAAGCGCTGGGTGGGGTTGCTGTTCAACGTGGGTATCGGATCTTG
 TCGCTTGCTGTAGCTGGAACGGCCCTTTAAGGCAAAGGAGTCTGGATACCCTTTGATCATCTTGTC
 CATGGCCTAGGAGGGTTACGGCGTCATACTCGGCCTTCTGCATGGAGCTGGCCTCTCGTGGCTTTGTGG
 TTGCTGCCGTAGAGCACAGGGACCAGTCACTGCGGCCACTACTTCTGCAAGCCAACTCCCAGGAGAG
 CTCTCCCGCTGAATCTCTGGAGGAGGAGTGGTCCCTTCCGTCGCATCAAGGAAGGGGAGAAGGAGTTC
 CACGTCAGGAATCCTCAGGTGCACCAGCGGGTAAAGAGTGTGTGCGAGTCTGCGGATCCTTCAGGACG
 CCTCTGCTGGGAAGACTGTCGTAATGTCTTCCAGGAGGACTGGATCTGATGACCTTGAAGGGCAGCGT
 CGACACGAGCCGCTGGCCGTGATGGGTACTCCTTTGGAGGAGTACGGCTGTTCTTGTCTTGACCCAG
 GAGGTCCAGTTTCGGTGTCTATAGCCCTGGACGCTTGGATGTTCCCTCTGGAACGGGACTTTTACCCCA
 AAGCCCGGGCCCTGTGTCTTTATCAACGTGAGAAAATCCAGACGGTACGAGAGCGTCAACTTGATGAA
 GAAGATCTGTGCCAGCACGAGCAGTCCAGGATCGTGACTGTCCTAGGCGCTGTTTCATCGGAGTCAAAT
 GACTTTGCCTTTGTGACGGGCAACCTGATTGCTAAATCTTTTCCAGTAACTCTCGTGGTACCTTGACC
 CTTACGAAAGTACAGGAGTTCATGGTGGAGGCCATCTTGGCCTTCTGCAGAAGCACCTTGACCTGAAGGA
 AGACTACGATCAATGGAGCAGCTTATCGAAGCGTGGACCATCGCTCATCCAAGGGGCCCCGCACTAT
 CTGTCTAGTCTATAGGTCGCTTGGAGTGGCCAAAGGATACTTGCAGCCAATCAGCAGGACCCTTTTCCCA
 GATGGAGAAGATGTAATCAGAGAGCTGATTGGTAAGTGGATACTTTGCTCTTGGGGTGTGATCTTAA
 ACGCACCTCAGTCACTGGCTGATTGGGAAGCGGATTTTTTTCTTTTTAAGTCAAGGACTCATGACCCAG
 ACTGGCTCTGAACCTTCTATGTATTGAGGATGACCCTTCTGAATGACAGACATTACCATTACTTGGCT
 TGTATTCTGTGCTGGGAATTGGACCTGATATCAGCCACTGTGCCTGAGTTAAAGACTATGAAGTACTTAT
 GTGCTGAGGACCTGTTCTCAATGACAGTGGTCCCCACCTCTGTCCAGGTCTGTTTGCCTTAAGTAAAA
 TAGTGTCTACCTGCTGGGCTGAGTTCTCTCTTGGCTCAGGCCATTTCTACGGTCTGGCCATGCAGTT
 TACCTTGTGGAGTCCATACCAGTAGGTGCCATTCCTGTGTGCCACCATAACCTCATAGCCAGTCTTTTT
 GGCCCCAGGCAGACCCCATGGAGCCTGGATATGACAACCTGACTTGGCTAGCCACTCTCTCACCTTGG
 GCAATTGTTGCCTCATGAAGCCAAAGGCCAGAGGAAACCTTAGGGCTTCCAGCCCTGCCTGGCGCTCTC
 CACCTGCCCCCTCTCTCCAGAGCAGTCTCCTACCATATGAAGTACATCTTCAGGGCAGTCTTCCCAT
 CACATGAAATACAGTAATGGACACTTTGGACCGTCATGCTTAGGAGCCCATGTGGGGCAAACAGTATTGT
 CCTCGGAACACAGACGCCAAGGAGCCCTCAGAAGCTCAGTGTCTTTGAGGTTTCGCAAGTATGTCTTGT
 CAGGAAGCATCCTGAGTAGGTTGAGATGGGCAGGAACTATTAACAGAGCTGAGCTGCCCTACACGGGCC
 ACAGAGGACCCCGGGTTGGCCAGCTCAGCTGGGGGAATGTCCCTAGAGAGGTCTGAGGTGAGCTTCGCT
 TGCCTCTTACTCAAACAGGGAGCTTTAGTTGTCTGCTTTTGTCTGTTTCTGGTTTTGGTTTTTTTTT
 TGAGGCCATCCCTCAATTAAGTCAAGGAACCGATCCAGTCTGCTTACCTGGTTCGTTGAATATTGAT
 GCTCACGTTGGCTAACGGCATGCTGGAGTCCGCTGTTAATTGACATTAGAGTGAAGTGGAGGCCAT
 CTGGAAGTGACTTTTCCGATTTCTTTGTTGCTAATCACGTGTGCCACACGGAAAAAACAACAAAC
 AAACAAAAAACGAAGACTTCCCAGAGTCCAAGCTCTGTGGGAAGCCCCCCTAGGACTGTGTCGCTG
 CCATATAAGATCTGTACCTGAATCCAAGGAGGAAGAACCCTCAGAGGAGCAAGTACAGATCAGAAGTGT
 TTCTCCGCACAGTATTCCAAGGTCAGGGCCACTGAATTGATCCAGAGAGGTGTGCACACATCAGGAGGCC
 CCTCAGGTATGGCTCTGCAGCCCCACCGCTGGGCTTGGCTCCAACGCTGCATAAATCGCATAAATCGGAG
 CGAATCTGCCTTCTTCCAACCTCAATCCTGCATATGAAAATGAGGGCTGCGCTAGGAACGGATGG
 AATGATTGAGTGGAGGGTGGGTGACCCCTGGGTATTAATGTGCATTTCCACGTCCCACACACATGC
 TTTCTAATCGTTGAATATTAATGTTTCCAAGCCAGAATGTTCCATATGATCTCTACCCTCAAGATT
 GTCGACACATGATTGTTGGCCACTCACTGTATGATTAATAAAGTCTATATCCACTCAAAAAAAAAAAAA AA

Restriction Sites: RsrII-NotI
ACCN: NM_133880
Insert Size: 1173 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:	BC025495 , AAH25495
RefSeq Size:	3222 bp
RefSeq ORF:	1173 bp
Locus ID:	100163
UniProt ID:	Q8VDG7
Cytogenetics:	4 D3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate 5' exon and it thus differs in its 5' UTR and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a. Both variants 2 and 3 encode isoform b.</p>