

Product datasheet for MC226706

Pafah2 (NM_001285875) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pafah2 (NM_001285875) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pafah2
Synonyms: 2310074E22Rik; AI507170
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226706 representing NM_001285875
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCTGGCCTCTCGTGGCTTTGTGGTTGCTGCCGTAGAGCACAGGGACCAGTCAGCTGCGGCCACCT
 ACTTCTGCAAGCCGACCTCCAGGAGAGCTCTCCCGTGAATCTCTGGAGGAGGAGTGGTCCCTTCCG
 TCGCATCAAGGAAGGGGAGAAGGAGTTCACGTCAGGAATCCTCAGGTGCACCAGCGGGTAAAGAGTGT
 GTGCGAGTGTGCGGATCCTTCAGGACGCCTCTGCTGGGAAGACTGTCGTCGAATGTCTTCCAGGAGGAC
 TGGATCTGATGACCTTGAAGGGCAGCATCGACAGGAACCGGTAGCCGTGATGGGTCACTCCTTTGGAGG
 AGCTACGGCTGTTCTTGCTTTGACCCAGGAGGTCCAGTTTCGGTGTGCTATAGCCCTGGACGCTTGGATG
 TTCCCTCTGGAACGGGACTTTTACCCCAAAGCCCGGGCCCTGTGTTCTTATCAACGTCGAGAAATTCC
 AGACGGTAGAGAGCGTCAACTTGATGAAGAAGATCTGTGCCCAGCAGCAGCAGTCCAGGATCGTGACTGT
 CCTAGGCGCTGTTTCATCGGAGTCAAAGTACTTTGCCTTTGTGACGGGCAACCTGATTGCTAAATCTTT
 TCCAGTAACTCTCGTGGTACCTTGGACCCTTACGAAAGTCAGGAGGTATGGTGAGGGCCATCTTGGCCT
 TCCTGCAGAAGCACCTTGACCTGAAGGAAGACTACGATCAATGGAGCAGTTCATCGAAGCGCTCGGACC
 ATCGCTCATCCAAGGGGCCCGCACTATCTGTCTAGTCTA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001285875
Insert Size: 813 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001285875.1, NP_001272804.1</u>
RefSeq Size:	3086 bp
RefSeq ORF:	813 bp
Locus ID:	100163
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 (4) lacks an exon in the 5' region 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 (c) is shorter at the N-terminus, compared to isoform a. Both variants 4 and 5 encode isoform c.</p>