

## Product datasheet for **MC226707**

### **Pafah2 (NM\_001285877) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pafah2 (NM\_001285877) 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:** >MC226707 representing NM\_001285877  
**Red=Cloning site Blue=ORF Orange=Stop codon**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGCTGGCCTCTCGTGGCTTTGTGGTTGCTGCCGTAGAGCACAGGGACCAGTCAGCTGCGGCCACCT  
ACTTCTGCAAGCCGACCTCCAGGAGAGCTCTCCCGCTGAATCTCTGGAGGAGGAGTGGTCCCTTCCG  
TCGCATCAAGGAAGGGGAGAAGGAGTTCACGTCAGGAATCCTCAGGTGCACCAGCGGGTAAAGAGTGT  
GTGCGAGTGTGCGGATCCTTCAGGACGCCTCTGCTGGGAAGACTGTCGTCGAATGTCTTCCAGGAGGAC  
TGGATCTGATGACCTTGAAGGGCAGCATCGACAGGAACCGGTAGCCGTGATGGGTCACTCCTTTGGAGG  
AGCTACGGCTGTTCTTGCTTTGACCCAGGAGGTCCAGTTTCGGTGTGCTATAGCCCTGGACGCTTGGATG  
TTCCCTCTGGAACGGGACTTTTACCCCAAAGCCCGGGCCCTGTGTTCTTATCAACGTCGAGAAATTCC  
AGACGGTAGAGAGCGTCAACTTGATGAAGAAGATCTGTGCCCAGCAGCAGCAGTCCAGGATCGTGACTGT  
CCTAGGCGCTGTTTCATCGGAGTCAAAGTACTTTGCCTTTGTGACGGGCAACCTGATTGCTAAATCTTT  
TCCAGTAACTCTCGTGGTACCTTGGACCCTTACGAAAGTCAGGAGGTATGGTGAGGGCCATCTTGGCCT  
TCCTGCAGAAGCACCTTGACCTGAAGGAAGACTACGATCAATGGAGCAGTTCATCGAAGCGCTCGGACC  
ATCGCTCATCAAGGGGCCCGCACTATCTGTCTAGTCT**ATAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001285877  
**Insert Size:** 813 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001285877.1, NP_001272806.1</u>
<b>RefSeq Size:</b>	2830 bp
<b>RefSeq ORF:</b>	813 bp
<b>Locus ID:</b>	100163
<b>Cytogenetics:</b>	4 D3
<b>Gene Summary:</b>	<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 (5) lacks three exons 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>