

Product datasheet for MC227450

Pafah2 (NM_001285874) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pafah2 (NM_001285874) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pafah2
Synonyms:	2310074E22Rik; AI507170
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC227450 representing NM_001285874 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGGCCGGCCAGTCTGTGTGCTTCCACCCATCTCGGGACCCACCACATTGGCTGCACGGATGTGA
 TGGAGGGTCACAGTCTTGAGGGGAGCCTCTCCGACTCTTCTACCCTTGCCAAGCATCAGAGAAGTGCGA
 GCAGCCCTGTGGATTCCCCGCTACGAGTACAGCATGGGTCTGGCCGATTACCTGCAGTATAACAAGCGC
 TGGGTGGGGTTGCTGTTCAACGTGGGTATCGGATCTTGTGCTTGCCTGTTAGCTGGAACGGCCCTTTA
 AGGCAAAGGAGTCTGGATACCTTTGATCATCTTGTCCCATGGTCTAGGAGGGTTCAGGGCGTCATACTC
 GGCTTCTGCATGGAGCTGGCCTCTCGTGGCTTTGTGGTTGCTGCCGTAGAGCACAGGGACCACTCAGCT
 GCGGCCACCTACTTCTGCAAGCCGACCTCCCAGGAGAGCTCTCCCGCTGAATCTCTGGAGGAGGAGTGGC
 TCCCTTCCGTCGCATCAAGGAAGGGGAGAAGGAGTTCACGTCAGGAATCCTCAGGTGCACAGCGGGT
 GAAAGAGTGTGTGCGAGTGTGCGGATCCTTCAGGACGCTCTGCTGGGAAGACTGTGCTCAATGTCTTC
 CCAGGAGGACTGGATCTGATGACCTTGAAGGCAGCATCGACAGGAACCGGTAGCCGTGATGGGTCACT
 CCTTTGGAGGAGCTACGGCTGTTCTTGTCTTGACCCAGGAGGTCCAGTTTCGGTGTGCTATAGCCCTGGA
 CGCTTGGATGTTCCCTCTGGAACGGGACTTTTACCCAAAGCCCGGGGCCCTGTGTTCTTTATCAACGTC
 GAGAAATTCAGACGGTAGAGAGCGTCAACTTGATGAAGAAGATCTGTGCCAGCACGAGCAGTCCAGGA
 TCGTGACTGTCTAGGCGCTGTTTCATCGGAGTCAAAGTCACTTTGCCTTTGTGACGGGCAACCTGATTGC
 TAAATTCTTTCCAGTAACCTCTCGTGGTACCTTGACCCCTTACGAAAGTCAGGAGGTCTGTTGAGGGCC
 ATCTTGGCCTTCTGCAGAAGCACCTTGACCTGAAGGAAGACTACGATCAATGGAGCAGCTTCATCGAAG
 GCGTCGGACCATCGCTCATCCAAGGGGCCCGCACTATCTGTCTAGTCTA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001285874
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).
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001285874.1, NP_001272803.1</u>
RefSeq Size:	3136 bp
RefSeq ORF:	1173 bp
Locus ID:	100163
UniProt ID:	<u>Q8VDG7</u>
Cytogenetics:	4 D3
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] Transcript Variant: This variant (3) 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.