

Product datasheet for MR228917

Pafah2 (NM_001285875) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pafah2 (NM_001285875) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pafah2
Synonyms: 2310074E22Rik; AI507170
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228917 representing NM_001285875
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCTGGCCTCTCGTGGCTTTGTGGTTGCTGCCGTAGAGCACAGGGACCAGTCAGCTGCGGCCACCT
ACTTCTGCAAGCCGACCTCCCAGGAGAGCTCTCCCGTGAATCTCTGGAGGAGGAGTGGTCCCCTTCCG
TCGCATCAAGGAAGGGGAGAAGGAGTTCACGTCAGGAATCCTCAGGTGCACCAGCGGGTAAAGAGTGT
GTGCGAGTGTGCGGATCCTTCAGGACGCTCTGCTGGGAAGACTGTCGTCGAATGTCTTCCAGGAGGAC
TGGATCTGATGACCTTGAAGGGCAGCATCGACAGGAACCGGTAGCCGTGATGGGTCACTCCTTTGGAGG
AGCTACGGCTGTTCTTGCTTTGACCCAGGAGGTCCAGTTTCGGTGTGCTATAGCCCTGGACGCTTGGATG
TTCCCTCTGGAACGGGACTTTTACCCCAAAGCCCGGGGCCCTGTGTTCTTATCAACGTCGAGAAATTCC
AGACGGTAGAGAGCGTCAACTTGATGAAGAAGATCTGTGCCAGCAGCAGCAGTCCAGGATCGTGACTGT
CCTAGGCGCTGTTTCATCGGAGTCAAAGTACTTTGCCTTTGTGACGGGCAACCTGATTGCTAAATCTTT
TCCAGTAACTCTCGTGGTACCTTGGACCCTTACGAAAGTCAGGAGGTATGGTGAGGGCCATCTTGGCCT
TCCTGCAGAAGCACCTTGACCTGAAGGAAGACTACGATCAATGGAGCAGTTCATCGAAGCGCTCGGACC
ATCGCTCATCCAAGGGGCCCGCACTATCTGTCTAGTCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228917 representing NM_001285875
Red=Cloning site Green=Tags(s)

MELASRGFVVAVEHRDQSAATYFCKPTSQESSPAESLEEEWLPFRRIKEGEKEFHVRNPQVHQRVKEC
 VRVLRILQDASAGKTVVNVFPGGLDMLTKGSIDNRNVAVMGHSFGGATAVLALTQEVQFRCAIALDAWM
 FPLERDFYPKARGPVFFINVEKFQTVESVNLMMKKICAQHEQSRIVTVLGAVHRSQTDFAFVTGNLIAKFF
 SSNSRGTLDPYESQEVVRAILAFLLQKHLDLKEDYDQWSSFIEGVGPSLIQGAPHYLSL

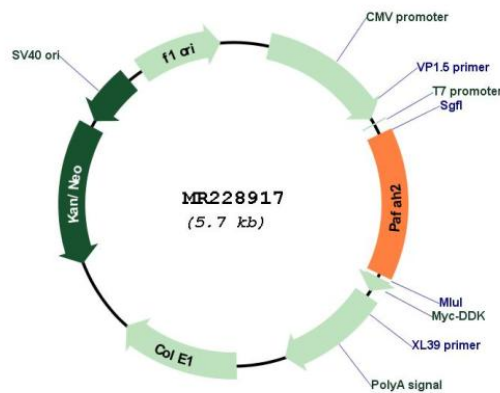
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001285875

ORF Size: 810 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:	<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:	NM_001285875.1 , NP_001272804.1
RefSeq Size:	3086 bp
RefSeq ORF:	813 bp
Locus ID:	100163
Cytogenetics:	4 D3
MW:	30.7 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]