

Product datasheet for MR229661

Pafah2 (NM_001285874) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pafah2 (NM_001285874) 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: >MR229661 representing NM_001285874
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGGGCCGGCCAGTCTGTGTGCTTCCCACCCATCTCGGGACCCACCACATTGGCTGCACGGATGTGA
TGGAGGGTACAGTCTTGAGGGGAGCCTCTCCGACTCTTCTACCCTTGCCAAGCATCAGAGAAGTGCGA
GCAGCCCTGTGGATTCCCCGCTACGAGTACAGCATGGGTCTGGCCGATTACCTGCAGTATAACAAGCGC
TGGGTGGGGTGTCTGTTCAACGTGGGTATCGGATCTTGTGCGTTGCCTGTTAGCTGGAACGGCCCTTTA
AGGCAAAGGAGTCTGGATACCCTTTGATCATCTTGTCCCATGGTCTAGGAGGGTTCAGGGCGTCATACTC
GGCCTTCTGCATGGAGCTGGCCTCTCGTGGCTTTGTGGTTGCTGCCGTAGAGCACAGGGACCAGTCAGCT
GCGGCCACCTACTTCTGCAAGCCGACCTCCCAGGAGAGCTCTCCCGCTGAATCTCTGGAGGAGGAGTGGC
TCCCTTCCGTCGCATCAAGGAAGGGGAGAAGGAGTCCACGTCAGGAATCCTCAGGTGCACCAGCGGGT
GAAAGAGTGTGTGCGAGTGTGCGGATCCTTCAGGACGCTCTGCTGGGAAGACTGTGTCATATGTCTTC
CCAGGAGGACTGGATCTGATGACCTTGAAGGGCAGCATCGACAGGAACCGGTAGCCGTGATGGTCACT
CCTTTGGAGGAGCTACGGCTGTTCTTGTCTTACCCAGGAGGTCAGTTTCGGTGTGCTATAGCCCTGGA
CGCTTGATGTTCCCTCTGGAACGGGACTTTTACCCAAAGCCCGGGCCCTGTGTTCTTTATCAACGTC
GAGAAATTCCAGACGGTAGAGAGCGTCAACTTGATGAAGAAGATCTGTGCCAGCACGAGCAGTCCAGGA
TCGTGACTGTCCTAGGCGCTGTTTCATCGGAGTCAAAGTACTTTGCCCTTGTGACGGCAACCTGATTGC
TAAATTCTTTCCAGTAACTCTCGTGGTACCTTGGACCTTACGAAAGTCAGGAGGTGATGGTGAGGGCC
ATCTTGGCCTTCTGCAGAAGCACCTTGACCTGAAGGAAGACTACGATCAATGGAGCAGCTTCATCGAAG
CGCTCGGACCATCGTCAATCCAAGGGGCCCGCACTATCTGTCTAGTCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229661 representing NM_001285874
Red=Cloning site Green=Tags(s)

MGAGQSVCFPPISGPHHIGCTDVMEGHSLEGLSFLRFLYPCQASEKCEQPLWIPRYEYSMGLADYLQYNKR
 WVGLLFNVGIGSCLPVSWNPGPKAKESGYPLIILSHGLGGFRASYSAFCMELASRGFVVAAVEHRDQSA
 AATYFCKPTSQESSPAESLEEELWPFRRRIKEGEKEFHVRNPQVHQRVKECVRLRILQDASAGKTVVNVF
 PGLDLMTLKGSIDRNRVAVMGHSFGGATAVLALTQEVQFRCAIALDAWMFPLERDFYPKARGPVFFINV
 EKFTQVESVNLKMKICAQHEQSRIVTVLGAVHRSQTDFAFVTGNLIAKFFSSNSRGTLDPYESQEVMVRA
 ILAFLQKHLDLKEDYDQSSSFIIEGVGPSLIQGAPHYLSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

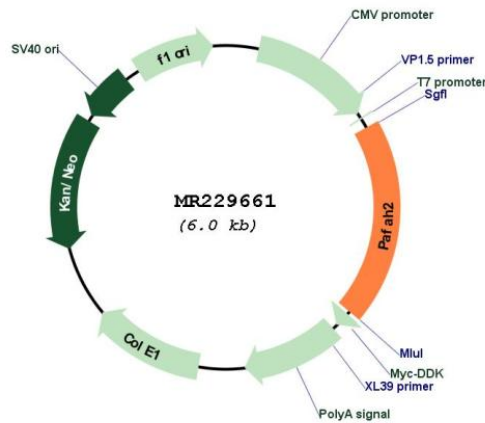
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001285874

ORF Size:	1170 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_001285874.1 , NP_001272803.1
RefSeq Size:	3136 bp
RefSeq ORF:	1173 bp
Locus ID:	100163
UniProt ID:	Q8VDG7
Cytogenetics:	4 D3
MW:	44 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]