

Product datasheet for **RR210778**

Pafah1b1 (NM_031763) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pafah1b1 (NM_031763) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pafah1b1
Synonyms: LIS1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210778 representing NM_031763
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTGCTGTCCCAGAGACAACGAGATGAACTAAATCGAGCTATAGCAGATTATCTTCGTTCAAATGGCT
ATGAAGAGGCATATTCGGTTTTTAAAAAGGAAGCTGAACTAGATATGAATGAAGAATTAGATAAGAAGTA
TGCTGGTCTTTTGAAAAAATGGACATCTGTTATTAGATTACAAAAAAGGTAATGGAATTAGAATCA
AACTAAATGAAGCAAAAGAAGATTTACGTCAAGTGGTCTCTTGGTCAAGAACGAGACCCAAAAGAAT
GGATCCCGTCCACCTGAGAAATATGCATTGAGTGGTCAATAGGAGTCCAGTTACTCGAGTCATTTTCCA
TCCTGTGTTCAAGTGTATGGTCTCTGCTTCAGAGGATGCTACAATTAAGGTGTGGGATTATGAGACTGGA
GATTTTGAGCGAACTCTCAAGGGGCATACAGATTCTGTACAGGACATTTCTTTGACCACAGTGGCAAAC
TCTTGGCTTCTGTTCTGCAGATATGACGATTAATTAATGGGATTTTCAGGGTTTGAATGCATCAGAAC
CATGCACGGCCACGACCACAATGTCTCTCAGTAGCCATCATGCCTAATGGAGATCATATAGTGTCTGCC
TCAAGGGATAAACTATAAAAAATGTGGGAAGTCAAACGGTACTGTGTGAAGACATTCACAGGACACA
GAGAATGGGTACGTATGGTGGCCAAAATCAGGACGGCACTCTGATAGCCAGCTGTTCCAATGACCAGAC
TGTGCGTGTATGGTTGTAGCAACAAAGGAATGCAAGCTGAGCTCCGAGAACACGAACATGTGGTAGAA
TGATTTCTGGGCTCCAGAAAGTTCATATTCTTCCATCTCTGAAGCAACAGGATCTGAGACTAAAAAAA
GTGGCAAGCCTGGACCCTTCTTGCTATCTGGTCCAGAGACAAAATTAAGATGTGGGACGTCAGTAC
TGGCATGTGCCTATGACTCTGGTGGGTGATGATAATGGGTACGTGGAGTTCTGTTCCATTCTGGGGG
AAGTTTATTTGAGTTGTGCTGATGACAAGACCCTCCGTGTATGGGATTACAAGAACAAGCGATGCATGA
AGACCCTCAATGCGCATGAACACTTTGTTACCTCCTTGGATTTCCATAAGACGGCACCCCTATGTGGTTAC
TGGCAGTAGATCAAACAGTAAAGGTGTGGGAGTGCCGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210778 representing NM_031763
 Red=Cloning site Green=Tags(s)

MVLSQRQRDELNRAIADYLRSNGYEEAYSVFKKEAELDMNEELDKKYAGLLEKKWTSVIRLQKKVMELES
 KLNEAKEEFTSGGPLGQKRDPKEWIPRPPEKYALSGHRSPVTRVIFHPVFSVMVSASEDATIKVWDYETG
 DFERTLKGHTDSVQDISFDHSGKLLASCSADMTIKLWDFQGFECIRTMHGHHDHNVSSVAIMPNGDHI VSA
 SRDKTIKMWEVQTGYCVKFTFTGHREWVRMVRPNQDGLIASCNDQTVRVVVVATKECKAELREHEHVVE
 CISWAPESSYSSISEATGSETKKSGKPGPFLLSGSRDKTIKMWDVSTGMCLMTLVGHDNWVRGVLFHSGG
 KFILSCADDKTLRVWDYKNKRCMKTLNAHEHFVTSLDFHKTAPYVVTGSVDQTVKWECCR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

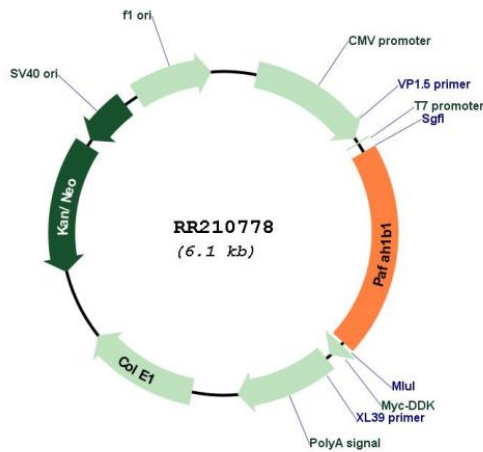
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_031763

ORF Size:	1230 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_031763.3 , NP_113951.1
RefSeq Size:	4388 bp
RefSeq ORF:	1233 bp
Locus ID:	83572
UniProt ID:	P63004
Cytogenetics:	10q24
MW:	46.7 kDa
Gene Summary:	subunit of the brain intracellular platelet-activating factor acetylhydrolase, which is composed of alpha1, alpha2, and beta subunits [RGD, Feb 2006]