

Product datasheet for **SC319395**

PAFAH2 (NM_000437) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAFAH2 (NM_000437) Human Untagged Clone
Tag:	Tag Free
Symbol:	PAFAH2
Synonyms:	HSD-PLA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_000437.2
 TGAGGAATCAGCTTGGCTGGCAACAGGAAGCCGAGAGGAAACCAGCAAGCGGCTGCTGTT
 CTGTGTTCCCCATCCAGCCAGCAAGTTCAGCTCCGGCAAGTCATTTGATTACCCGGTG
 ATGAAATGGGGTCAACCAGTCTGTGGGCTTCCACCTGTACAGGACCCACCTCGTAG
 GCTGTGGGATGTGATGGAGGTGAGAACTCCAGGGAGCTTCTTCGACTCTTCTACC
 CCTGCCAAAAGGCAGAGGAGACCATGGAGCAGCCCTGTGGATTCCCCGCTATGAGTACT
 GCACTGGCCTGGCCGAGTACCTGCAGTTAATAAGCGCTGCGGGGCTTGGCTGTTCAACC
 TGGCGGTGGGATCTTGTGCCTGCCTGTTAGCTGGAATGGCCCTTAAAGACAAAGGACT
 CTGGATACCCCTTGATCATCTTCTCCATGGCCTAGGAGCCTTCAGGACTTTGTATTGAG
 CCTTCTGCATGGAGCTGGCCTCACGTGGCTTTGTGGTTGCTGTGCCAGAGCACAGGGACC
 GGTGAGCGGCAACCACCTATTTCTGCAAGCAGGCCCCAGAAGAGAACCAGCCACCAATG
 AATCGTGCAGGAGGAATGGATCCCTTCCGTGAGTTGAGGAAGGGGAGAAGGAATTC
 ATGTTCCGAATCCCAGGTGCATCAGCGGGTAAGCGAGTGTACGGGTGTTGAGATCC
 TGCAAGAGTCACTGCTGGCAGACTGTCTTCAACATCTTGCCTGGTGGCTTGGATCTGA
 TGACTTTGAAGGGCAACATTGACATGAGCCGTGTGGCTGTGATGGGACATTCATTTGGAG
 GGGCCACAGCTATTCTGGCTTTGGCCAAGGAGACCCAATTTCCGGTGTGGGTGGCTCTGG
 ATGCTTGGATGTTTCTCTGGAACGTGACTTTTACCCCAAGGCCCGAGGACCTGTGTTCT
 TTATCAATACTGAGAAATCCAGACAATGGAGAGTGTCAATTTGATGAAGAAGATATGTG
 CCCAGCATGAACAGTCTAGGATCATAACCGTCTTGGTTCTGTTTCATCGGAGTCAAAGT
 ACTTTGCTTTTGTGACTGGCAACTTGGTAAATTTCTTCCACTGAAACCCGTGGGA
 GCCTGGACCCCTATGAAGGGCAGGAGTTATGGTACGGCCATGTTGGCCTTCTGCAGA
 AGCACCTCGACCTGAAAGAAGACTATAATCAATGGAACAACCTTATTGAAGGCATTGGAC
 CGTCGTCACCCAGGGCCCCCACCATCTGTCCAGCCTGTAGGCACAACCTGGCCATTT
 GTAAGTCACTTCAGCCAAGTTTTTCAATTTGGGAGCTACCCAAGGGCACCCATGAGCTCCT
 ATCAAGAAGTGATCAACGTGACCCTTTTACAGATTGAAAGGTGTAATCACACTGCTGC
 TTGGATAACTGGGTACTTTGATCTTAGATTTGATCTTAAATCACTTTGGGACTGGGATC
 CCTTGCTGATTGACAAACAGACTTTCTGGGACCTTGTGGAGTGGGGAACAAGCAGTAGA
 GTGGGACTGGGGAGACCAGGCCCGGGCTGAGCACTGTGAGGCCTGGATGTGAAGACT
 CAGCCCAGCGAAGCTATTCCCTTACCCCGGCCAGTGTGCTGCTTCAAGGAGAT
 GAAGCCAAAGGACAGAATGAAAATCCCTACCTTACAGAGACTCTAGCCAGCCCAACCA
 TCTCTTCTACCTCTCAGCCTTCTCCCTCCCCAGGGCCACTTGTGAAGTCTGAGCACTT
 TATGTAATTTCTAGGTGTGAGCCGTGATCACATTTTCTATTTATTTCCAAGTCTTCTCA
 TTGTATGGAACATAGTACTACTTATACTTACAGTAGTAAGTTATACTTGTGAGCCACAG
 AGTGGCAGACAGCATGGCTCTCACAGCACAGGGAGAAAACTGAGGTACACAGAGGTACC
 TCAGAAGCTCTGGATGCTTTGGGGTTTTGCTAAGTGTATCTTGATAGGAAACAACAAA
 AGCAGGTTGAGATGGGGAAGATGACAGAACAACAGTGTAAATGGCCATTTGCACAGGCC
 TTTGCCACAACAGAGAAGTAGTTTGGTCAGCTAAAACCTCAGCTGCAGCCTGGACAGTAGA
 GCGAGACCCCATTTAAAAATAAAGAAGGCTGGGCGTGGTGGCTCATGCCTGTAATCCCA
 GCACTTTGGGAGGCCAAGGCAGGCAGATCACTTAAGGCCAGGATTCAAGACCACCTGGC
 CAACATGGTGAACCCCGTCTCTACTAAAAATACAAAAAATTAGCCTGGCGTAATGGCAG
 GCGCCTATAATCCAGCTACTCAGGAGGCTGAAGCAGAAGAATCACTTGAACCTAGGAGG
 CGGAGGTTGCAGTGAGTCAAGATCGCGCCACTGCACTCCAGCCTGGGTGACAGAGCAAGA
 CTCTGTCTTAAAAAAAAAAAAAAAAAGAAAAAGAAAAATTTAAATAAATAAAATTTAAAAACG
 CAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_000437

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_000437.2</u> , <u>NP_000428.2</u>
RefSeq Size:	2547 bp
RefSeq ORF:	1179 bp
Locus ID:	5051
UniProt ID:	<u>Q99487</u>
Cytogenetics:	1p36.11
Domains:	PAF-AH_p_II
Protein Families:	Druggable Genome
Protein Pathways:	Ether lipid metabolism, Metabolic pathways
Gene Summary:	This gene encodes platelet-activating factor acetylhydrolase isoform 2, a single-subunit intracellular enzyme that catalyzes the removal of the acetyl group at the SN-2 position of platelet-activating factor (identified as 1-O-alkyl-2-acetyl-sn-glycerol-3-phosphorylcholine). However, this lipase exhibits a broader substrate specificity than simply platelet activating factor. Two other isoforms of intracellular platelet-activating factor acetylhydrolase exist, and both are multi-subunit enzymes. Additionally, there is a single-subunit serum isoform of this enzyme. [provided by RefSeq, Jul 2008]