

Product datasheet for **RG206619**

Acyloxyacyl Hydrolase (AOAH) (NM_001637) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acyloxyacyl Hydrolase (AOAH) (NM_001637) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Acyloxyacyl Hydrolase
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206619 representing NM_001637
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGTCCCCTGGAAAATCCTTACGGTGGCGCCTCTATTCTTGCTCCTGTCTCTTCAGTCCTCAGCCT
 CTCAGCCAACGATGACCAGTCCAGGCCAGCCTCTCGAATGGGCACACCTGTGTAGGGTGTGTGCTGGT
 GGTGTCTGTAATAGAACAGCTTGTCTCAAGTTCACAACCTCGACGGTCCAGGCCCTCGATGGAGAGACTGTGC
 AGCTACCTGCCTGAAAACTGTTCTTGAAAACCACTGCTATTTAGTCATTGACAAGTTTGGATCAGACA
 TCATAAACTGCTTAGCGCAGATATGAATGCTGATGTGGTATGTCACACTCTGGAGTTTTGTAACAGAA
 CACTGGCCAACCATTGTGCATCTCTACCCTCTCCCAAGGAGACATGGAAATTTACACTACAGAAGGCA
 AGACAAATGTCAAGAAGTCCCGATTCTGAAATATTCTAGAAGTGGTTCTGACATTTGTTCACTCCCGG
 TTTTGGCCAAGATCTGCCAGAAAATTAATTAGCTATGGAACAGTCTGTGCCATTCAAAGATGTGGATTC
 AGACAAATACAGGTTTTCCCAACTGCGGGGCTATCACTGGCGGGGAGAGACTGTAATGACAGCGAC
 GAGTCAGTGTACCCAGGTAGAAGCCGAACAACCTGGGATGTCCATCAGGATTCAAACTGTAATGGCATT
 GGGGTGTCGATCCAAAAGATGGAGTTCATATGAGAAGAAATTCGTGAAGGTTACAGCCCAGGGGAAT
 CATTTTGTGGGAGACTCAGCTGGGGCTCATTTTACATCTCTCCTGAATGGATCACAGCGTCGAGATG
 TCTTTGAACTCTTTCATCAATCTACCAACAGCCCTTACCAACGAGCTTGACTGGCCCAACTCTCTGGTG
 CTACAGGATTTCTGGACTCCACTGTTGGAATTAAGAAAAATCTATTTACCTTCGCTTATGGAAAAGAAA
 CCACTGTAATCACAGGGACTACCAGAATATTTCAAGAAATGGTGCATCTCCCGAACCTGAAGAAATTT
 ATAGAAAGCTTGCTAGAAAAGGTGTTGGACTATCCCGCCATCGTTATATATGCCATGATTGGAATG
 ATGTCTGCAGTGGGAAGAGTGACCCAGTCCCAGCCATGACCACCTCTGAGAAACTACTCCAACGTCAT
 GCAGACTCTGAAGCATCTAAATTCACCTGCCAATGGCAGCCATGTTATTTTGTATGGCTTACCAGAT
 GGAACCTTTCTCTGGGATAATTTGCACAACAGATATCATCCTCTCGGCCAGCTAAATAAAGACATGACCT
 ATGCGCAGTTGTACTCCTCCTGAACTGCCTCCAGGTCAGCCCCTGCCACGGCTGGATGTCTTCCAACAA
 GACGTTGCGGACTCTCACTTCAGAGAGAGCAGAGCAACTCTCCAACACTGAAAAAATTCGAGCCAGT
 GAGAAATTTACAACTTCAATCTTTTCTACATGGATTTTGCCTTCCATGAAATCATAACAGGAGTGGCAGA
 AGAGAGGCGGACAGCCCTGGCAGCTCATCGAGCCGTTGGATGATCCACCCCAACGAGGTGGCTTTGCT
 GTTGTGGCGGATCATTTCTGAAAAAGGTGCAGCTCCAGTGGCCCCAAATCTGGGAAAGGAGAATCCG
 TTCAACCCAGATTAACAGGTGTTTGGAGACCAAGCGGGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG206619 representing NM_001637
 Red=Cloning site Green=Tags(s)

MQSPWKILTVAPLFLLLSLQSSASPANDDQSRPSLSNGHTCVGCVLVVSVIEQLAQVHNSTVQASMERLC
 SYLPEKLFKTTCYLVIDKFGSDI IKLLSADMNADVCHTLEFCKQNTGQPLCHLYLPKETWKF TLQKA
 RQIVKKSPIPKYSRSGSDICSLPVLAKICQKIKLAMEQSVPFKDVSDKYSVFP TLRGYHWRGRDCNDS
 ESVYPRRPNNDVHQDSNCGI WGVDPKDGVPYEKFCESQPRGI ILLGDSAGAHFHI S PEWITASQM
 SLNSFINLPTALTNELDWPQLSGATGFLDSTVGIKEKSIYLR LWKRNHCHNRDYQNI SRNGASSRNLKFF
 IESLRNKLVDYPAIVIYAMIGNDVCSGKSDPVPAMTTPEKLYSNVMQTLKHLNSHLPNGSHVILYGLPD
 GTFLWDLHNRYHPLGQLNKDMTYAQLYSFLNCLQVSPCHGWMSSNKTLR TLTSERAEQLSNTLKKIAAS
 EKFTNFNLFYMDFAFHEIIQEWQKRGQPWQLIEPVDGFHPNEVALLLLADHFWKVKVQLQWPQILGKENP
 FNPQIKQVFGDQGGH

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



- ACCN:** NM_001637
- ORF Size:** 1725 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:**
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:** [NM_001637.1](#), [NP_001628.1](#)
- RefSeq Size:** 2254 bp
- RefSeq ORF:** 1728 bp
- Locus ID:** 313

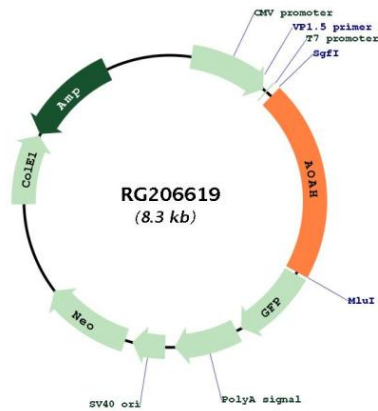
UniProt ID: [P28039](#)

Cytogenetics: 7p14.2

Domains: Lipase_GDSL, SapB_2, SAPB

Gene Summary: This locus encodes both the light and heavy subunits of acyloxyacyl hydrolase. The encoded enzyme catalyzes the hydrolysis of acyloxylacyl-linked fatty acyl chains from bacterial lipopolysaccharides, effectively detoxifying these molecules. The encoded protein may play a role in modulating host inflammatory response to gram-negative bacteria. Alternatively spliced transcript variants have been described.[provided by RefSeq, Apr 2010]

Product images:



Circular map for RG206619