

Product datasheet for **SC328891**

Acyloxyacyl Hydrolase (AOAH) (NM_001177507) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acyloxyacyl Hydrolase (AOAH) (NM_001177507) Human Untagged Clone
Tag:	Tag Free
Symbol:	Acyloxyacyl Hydrolase
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC328891 representing NM_001177507.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGTCCCCCTGGAAATCCTTACGGTGGCGCCTCTATTCTTGCTCCTGTCTCTTCAGTCCTCGGCC
TCTCCAGCCAACGATGACCACTCCAGGCCAGCCTCTCGAATGGGCACACCTGTGTAGAAAACTGTTT
TTGAAAAACCACTGCTATTTAGTCATTGACAAGTTTGGATCAGACATCATAAACTGCTTAGCGCAGAT
ATGAATGCTGATGTGGTATGTCACACTCTGGAGTTTTGTAACAGAACTGGCCAACCATTTGTGTCAT
CTCTACCTCTTCCCAAGGAGACATGGAATTTTACACTACAGAAGGCAAGACAAATTGTCAAGAAGTCC
CCGATTCTGAAATATTCTAGAAGTGGTTCTGACATTTGTTCACTCCCGGTTTTGGCCAAGATCTGCCAG
AAAATTAATTAGCTATGGAACAGTCTGTGCCATTCAAAGATGTGGATTGAGACAAATACAGCGTTTTT
CCAACACTGCGGGGCTATCACTGGCGGGGAGAGACTGTAATGACAGCGACGAGTCAGTGTACCCAGGT
AGAAGGCCGAACAACTGGGATGTCCATCAGGATTCAAAGTGAATGGCATTGGGGTGTGATCCAAAA
GATGGAGTTCCATATGAGAAGAAATTCTGTGAAGTTTACAGCCAGGGGAATCATTTTGTGGGAGAC
TCAGCTGGGGCTCATTTTACATCTCTCTGAATGGATCACAGCGTCGCAGATGTCTTTGAATCTTTT
ATCAATCTACCAACAGCCCTTACCAACGAGCTTGACTGGCCCCAACTCTCTGGTGTACAGGATTCTG
GACTCCACTGTTGGAATTAAGAAAAATCTATTTACCTTCGCTTATGGAAAAAGAACTGTAATCAC
AGGGACTACCAGAATATTTCAAGAAATGGTGCATCTTCCCGAAACCTGAAGAAATTTATAGAAAGCTTG
TCTAGAAACAAGTGTTGGACTATCCCGCCATCGTTATATATGCCATGATTGGAATGATGTCTGCAGT
GGGAAGAGTGACCCAGTCCAGCCATGACCACTCTGAGAACTCTACTCCAACGTCATGCAGACTCTG
AAGCATCTAAATCCCACTGCCAATGGCAGCCATGTTATTTTGTATGGCTTACCAGATGGAACCTTT
CTCTGGGATAATTTGCACAACAGATATCATCTCTCGGCCAGCTAAATAAGACATGACCTATGCGCAG
TTGTAATCTCTTCTGAACTGCCTCCAGGTGAGCCCTGCCACGGCTGGATGTCTTCCAACAAGACGTTG
CGGACTCTCACTTCAGAGAGAGCAGAGCACTCTCCAACACTGAAAAAATTGCAGCCAGTGAGAAA
TTTACAACTTCAATCTTTTCTACATGGATTTTGCCTTCATGAAATCATACAGGAGTGAGCAAGAGA
GGCGGACAGCCCTGGCAGCTCATCGAGCCCGTGGATGGATTCCACCCCAACGAGGTGGCTTTGCTGTTG
TTGGCGGATCATTTCTGAAAAAGGTGCAGCTCCAGTGGCCCCAAATCTGGGAAAGGAGAATCCGTTT
AACCCCAAGATTAACAGGTGTTTGGAGACCAAGGCGGGCACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001177507

Insert Size: 1632 bp

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:

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_001177507.1](#)

RefSeq Size: 2344 bp

RefSeq ORF: 1632 bp

Locus ID: 313

UniProt ID: [P28039](#)

Cytogenetics: 7p14.2

MW: 61.6 kDa

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]
 Transcript Variant: This variant (3) lacks an in-frame exon in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 3), compared to isoform 1.