

## Product datasheet for **MC219178**

### **Aoah (NM\_012054) Mouse Untagged Clone**

#### **Product data:**

|                    |                                       |
|--------------------|---------------------------------------|
| Product Type:      | Expression Plasmids                   |
| Product Name:      | Aoah (NM_012054) Mouse Untagged Clone |
| Tag:               | Tag Free                              |
| Symbol:            | Aoah                                  |
| Synonyms:          | 4930433E13Rik                         |
| Vector:            | pCMV6-Entry (PS100001)                |
| E. coli Selection: | Kanamycin (25 ug/mL)                  |
| Cell Selection:    | Neomycin                              |



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**Fully Sequenced ORF:** >MC219178 representing NM\_012054  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGTTTCCTGGAAAGTCTTCAAGACCACCCTTCTGTTCTTCTGCTCTCTCACTCATTGGCCTCTG  
 TGCCCTCTGAGGACCAGCCAGGTGACAGCTACTCCCATGGCCAAAGCTGTTTAGGGTGTGTGGTACTGGT  
 ATCTGTGATTGAGCAACTGGCTGAAGTTCACAACCTTTCAGTCCAGGTGGCGATGGAGAGACTCTGCAGC  
 TACCTGCCTGAAAAGCTGTTCTTGAAGACCGCCTGCTATTTCTTGGTTCAGACATTTGGCTCAGACATCA  
 TAAACTACTCGATGAAGCTATGAAGGCTGATGTGGTGTGCTATGCTCTGGAATTTGCAAGCGGGTGC  
 TGTCACACAGTGTCTCTACCCACTTCCCAGGAGGCTGGGAGTCTGCACTGGAGAAGGCGAGA  
 CAAGTCTCAGGAGTCTCTACCATGAAATATCCAGAAGTGGTCGTAACATTTGTTCCCTACCATTTT  
 TGACCAAGATCTGCCAGAAAATTGAATTATCTATAAAGAAGGCCGTGCCATTCAAAGACATAGATTGAGA  
 CAAGCACAGTGTTCCTCAACGCTGCGGGCTACCACTGGCGAGGCGTACTGTAATGACAGTGACAAG  
 ACAGTGTACCCGGGCAGAAAGCCAGACAACCTGGGATATCCATCAGGACTCCAACCTGTAATGGCATCTGGG  
 GTATTGATCCGAAAGATGGAATTCATATGAGAAGAAATTCGTGAAGGTTACAGCCCAGGGGAATCAT  
 TTTGCTGGGAGACTCAGCTGGGGCTCATTTTACATCCCCCTGAATGGCTGACAGCTTACAGATGTCT  
 GTGAACTCTTCTCAACCTGCCGTCCGCCCTTACCGATGAGCTCAACTGGCCCCAACTCTCTGGTGAA  
 CTGGATTTCTGGACTCCACGAGTGAATTGAAGAAAAATCCATTTACCATCGTTTGAGAAAGAGAAAACCA  
 TTGCAATCACAGAGACTATCAGAGTATCTCAAAAAATGGTGCATCTTCCAGAAATCTGAAGAATTTATT  
 GAAAGCTTGTCTAGGAACCAGGCATCAGACCATCCAGCCATTGTCCTTTATGCCATGATTGGAAACGATG  
 TTTGTAATTCGAAAGCTGACACAGTACCAGAAAATGACCCTCTGAACAAATGTACGCCAACGTCATGCA  
 GACTCTGACACATCTAAATTCTACCTGCCAATGGCAGCCACGTTATTTTATACGGCTTACCAGATGGA  
 ACTTTTCTCTGGGATAGCTTGCACAACCGATACCACCCTTAGGCCAGCTAAATAAAGATGTGACCTATG  
 CACAGTCTTCTCCTTTCTAAGATGCCTGCAGCTCAATCCCTGTAAACGGCTGGATGTCTTCCAACAAGAC  
 CCTCCGGACTCTCACTTCAGAGAGAGCCGAACAACCTCTCCAATACACTGAAAAAATTGCAACCACCGAG  
 ACGTTTGCAAACCTCGATCTTTCTACGTGGATTTTGCCTTCCATGAAATAATAGAGGACTGGCAGAAAA  
 GAGGTGGACAGCCATGGCAGCTTATTGAACCTGTGGATGGATTCCACCCCAATGAGGTGGCTTCACTTCT  
 GCAAGCAAATCGTGTCTGGGAAAAGATACAGCTTCAATGGCCTCATGTCCTGGGAAAGGAGAATCCATTC  
 AACTCTCAGATTGAAGAGGTGTTGGAGACCAAGGAGACACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_012054
- Insert Size:** 1725 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).
- 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\\_012054.4](#), [NP\\_036184.1](#)

**RefSeq Size:** 2923 bp

**RefSeq ORF:** 1725 bp

**Locus ID:** 27052

**UniProt ID:** [O35298](#)

**Cytogenetics:** 13 A2

**Gene Summary:** This genes encodes an enzyme that catalyzes the hydrolysis of acyloxylacyl-linked fatty acyl chains from bacterial lipopolysaccharides. The encoded protein modulates host inflammatory response to gram-negative bacteria. The proprotein is further cleaved into a large and small chain that interact in a heterodimer. Alternative splicing results in multiple transcript variants for this gene. [provided by RefSeq, Aug 2013]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).