

Product datasheet for **MG215224**

Aoah (NM_012054) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Aoah
Synonyms:	4930433E13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG215224 representing NM_012054
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAGTTTCCCTGGAAAGTCTTCAAGACCACCTTCTGCTTCTTCTGCTCTCTCACTATTGGCCTCTG
 TGCCCTCTGAGGACCAGCCAGGTGACAGCTACTCCATGGCCAAAGCTGTTTAGGGTGTGTGGTACTGGT
 ATCTGTGATTGAGCAACTGGCTGAAGTTCACAACCTCTTCAGTCCAGGTGGCGATGGAGAGACTCTGCAGC
 TACCTACCTGAAAAGCTGTTCTTGAAGACCGCTGCTATTTCTTGGTTCAGACATTTGGCTCAGACATCA
 TAAAACATTCGATGAAGCTATGAAGGCTGATGTGGTGTGCTATGCTCTGGAATTTTGAAGCGGGGTGC
 GTGCCAACACAGTGTCACTCTACCCACTTCCCAGGAGGCTTGGGAGTCTGCACTGGAGAAGGCGAGA
 CAAGTCTCAGGAGTCTCTACCATGAAATATCCAGAAAGTGGTCTGTAACATTTGTTCCCTACCATTTT
 TGACCAAGATCTGCCAGAAAATGAATTATCTATAAAGAAGGCCGTGCCATTCAAAGACATAGATTGAGA
 CAAGCACAGTGTTCACCAACGCTGCGGGCTACCACTGGCGAGGGCGTACTGTAATGACAGTGACAAG
 ACAGTGTACCCGGGAGAGGCGAGACAACCTGGGATATCCATCAGGACTCCAACGTAAATGGCATCTGGG
 GTATTGATCCGAAAGATGGAATTCATATGAGAAGAAATCTGTGAAGGTTACAGCCAGGGGAATCAT
 TTTGCTGGGAGACTCAGCTGGGGCTCATTTTACATCCCCCTGAATGGCTGACAGCTTACAGATGTCT
 GTGAACCTCTTCTCAACCTGCCGTCCGCCCTTACCGATGAGCTCACTGGCCCAACTCTCTGGTGTA
 CTGGATTTCTGGACTCCACGAGTGAATTGAAGAAAAATCCATTTACCGTCGTTTGAGAAAAGAGAAACCA
 TTGCAATCACAGAGACTATCAGAGTATCTCAAAAAATGGTGCATCTCCAGAAATCTGAAGAATTTTATT
 GAAAGCTTGTCTAGGAACCAGGCATCAGACCATCCAGCCATTGTCCTTTATGCCATGATTGGAAATGATG
 TTTGTAATTCGAAAGCTGACACAGTACCAGAAATGACCACTCTGAACAAATGTACGCCAACGTGATGCA
 GACTCTGACGCATCTAAATTTCTCACCTGCCCAATGGCAGCCACGTTATTTTATACGGCTTACCAGATGGA
 ACTTTTCTCTGGGATAGCTTGACAAACCGATACCAACCCCTAGGCCAGCTAAATAAAGATGTGACATATG
 CACAGTTCTTCTCCTTTCTAAGATGCCTGCAGCTCAATCCCTGTAACGGCTGGATGTCTTCAACAAGAC
 CCTCCGGACTCTCACTTCAGAGAGAGCCGAACAACCTCCAATACACTGAAAAAATGCAACCACCGAG
 ACGTTTTCGAAACTTCGATCTTTTCTACGTGGATTTTGCCTTCCATGAAATAATAGAGGACTGGCAGAAA
 GAGGTGGACAGCCATGGCAGCTTATTGAACCTGTGGATGGATTCCACCCCAATGAGGTGGCTTCACTTCT
 GCAAGCAAATCGTGTCTGGAAAAGATACAGCTTCAATGGCCTCATGCTCTGGAAAGGAGAATCCATTC
 AACTCTCAGATTGAAGAGTGTGGAGACCAAGGAGGACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215224 representing NM_012054
 Red=Cloning site Green=Tags(s)

MKFPWKVFKTLLLLLLLLSHSLASVPSEDQPGDSYSHGQSLGCVVLLVSVIEQLAEVHNSVQVAMERLCS
 YLPEKFLFKTACYFLVQTFGSDIIKLFDEAMKADVVCYALEFCKRGAVQPQCHLYPLPQEAWE SALEKAR
 QVLRSSMTKYPRSGRNICSLPFLTKICQKIELSIKKAVPFKIDSDKHSVFP TLRGVHWRGRDCNDSK
 TVYPGRRPDNWDIHQDSNCGIWIWIDPKDGIPEYKFCGEGSQRGIILLGDSAGAHFHIPPEWLTASQMS
 VNSFLNLP SALTDELNWPQLSGVTGFLDSTSGIEEKSIYRRLRKRNHCHNRDYQSIKNGASSRNLNKFI
 ESLSRNQASDHPAIVLYAMIGNDVCNSKADTVPEMTTPEQMYANVMQTLTHLNSHLPNGSHVILYGLPDG
 TFLWDSLHNRYHPLGQLNKDVTYAQFFSFLRCLQLNPCNGWMSNKT LRLT SERAEQLSNTLKKIATTE
 TFANFDLFYVDFAFHEIIEDWQKRGQPWQLIEPVDGFHPNEVASLLQANRVWEKIQLQWPHVLGKENPF
 NSQIEEVFGDQGGH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_012054

ORF Size: 1722 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.

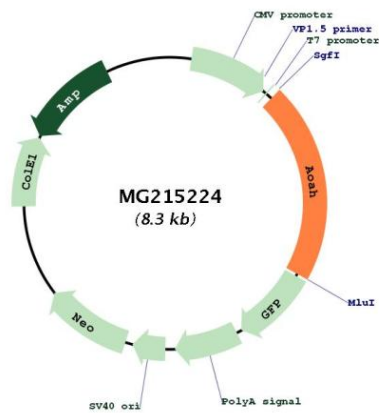
RefSeq: [NM_012054.3](#)

RefSeq Size: 2915 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]

Product images:



Circular map for MG215224