

Product datasheet for MR215908

Ambra1 (NM_172669) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ambra1 (NM_172669) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ambra1
Synonyms:	2310079H06Rik; A130023A14; AA474864; AV021921; D030051N19Rik; mKIAA1736
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215908 representing NM_172669 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGTTGTCAGAGAGAAGAATGCTGTACGAATCCTCTGGGGCCGAGAACGGGGCACTCGTGCCATGG
GTGCCAGCGCTTCTGCAGGAGCTGGTGGAGGATAAGACTCGATGGATGAAATGGGAGGGCAAGAGAGT
AGAAGTGCCTGATAGTCCACGCTCGACCTTCTTACTGGCCTTCAGCCAGACAGGACTCTCTGGCATCC
ACACATGTGAACCATAACATCTATATTACAGAGGTTAAGACTGGCAAGTGTGTTCACTCTCTGATCGGAC
ACCGCCGACTCCATGGTGTGCTACTTTTACCCACCATCTCAGGCCTTATTGCTTCTGGTTGCCTAGA
TGGGGAAGTTAGGATTTGGGATTTACATGGGGCAGTAAAAGCTGGTTCACAGACAGCAACAATGCCATA
GCCTCCTTGGCTTCCACCCTACGGCTCAGCTTCTACTAATTGCCACTGCAAATGAGATCCATTTCTGGG
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GGACAGTGTCCCCCTGCTTCTGCCAGAGCTACTACCCCTTCTTTTCTTTTGTACAGACCGAGCCCTTC
CATCCCCGAGCAGGCTTCATCAACGCAGCAGGACCAGGGCCTCCTGAACCGGCGCTGCTGCTTACGTA
CAGTCCAGAGCAGCACTGCGGGCAACACGCTCCGCAACCTCAGTCTGGTCTTACCCGGCGCTCTTTGGG
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AACAACCTCAGGCAGCATTGCGCCATGAGCTTCAATGTGACCTGAGACGCTTCTTTTTGGAGTATGACAGGC
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Protein Sequence:

>MR215908 representing NM_172669
 Red=Cloning site Green=Tags(s)

MKVVPEKNAVRILWGRERGTRAMGAQRLLQELVEDKTRWMKWEKRVLPDSRSTFLLAFSPDRILLAS
 THVNHNIYITEVKTGKCVHSLIGHRRTPWCVTFHPTISGLIASGCLDGEVRIWDLHGGSSESWFTDSNNAI
 ASLAFHPTAQLLLIATANEIHFWDSRREPFAVVKTASEMERVRLVRFDPLGHYLLTAIVNPSNQGDDE
 PEIPIDGTLSHYRQRALLQSQVRRTPLLHNFHMLSSRSSGIQVGEQSTVQDSATPSPPPPPQPSTE
 RPRTSAYIRLRQRVSYPTTVECCQHPGILCLCSRCAGTRVPSLLPHQDSVPPASARATTPSFVQTEPF
 HPPEQASSTQQDQGLNRPFAFSTVQSSTAGNTRLRNLSLGPTRRSLGGPLSSHPSRYHRELAPLGTGSEW
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 NNSGSIRHELQCDLRRFFLEYDRLQELDQSLGETPQTQQAQEMLNNNIESERPGPSHLPTPHSSENNSN
 LSRGHLNRCRACHNLLTFNNDTLRWERTTPNYSSGEASSWHVSTTFEGMPPSGNQLPPLERTEGQMPSS
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 AGAVIGDQGSAVASNIANTTYRLQWDFTKFDLPEISNASVNVLVQNCKIYNDASCDISADGQLLAIFIP
 SSQRGFPEDEGILAVYSLAPHNLGEMLYTKRFGPNAISVLSMPGRYVMVGLASRRILLHPSTEHMVAQVF
 RLQQAAGGETSMRRVFNVLYPMPADQRRHVSINSARWLPEPGLGLAYGTNKGDLVICRPEALNSGIEYYW
 DQLSETVFTVHSSSRSSERPGRATWRTDRDMGLMNAIGLQPRNPTTSVTSQGTQTLALQLQNAETQTE
 REEEEPGAASSGPGESEYGGSGEDALSRIQRLMAEGGMTAVVQREQSTTMASMGFGNNIIVSHRIH
 RSSQTGTESGAARTSSPQPSTSRGLPSEPGQLAERALSPRTASWDQPSTSGRELPPALSSSSPVPV
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

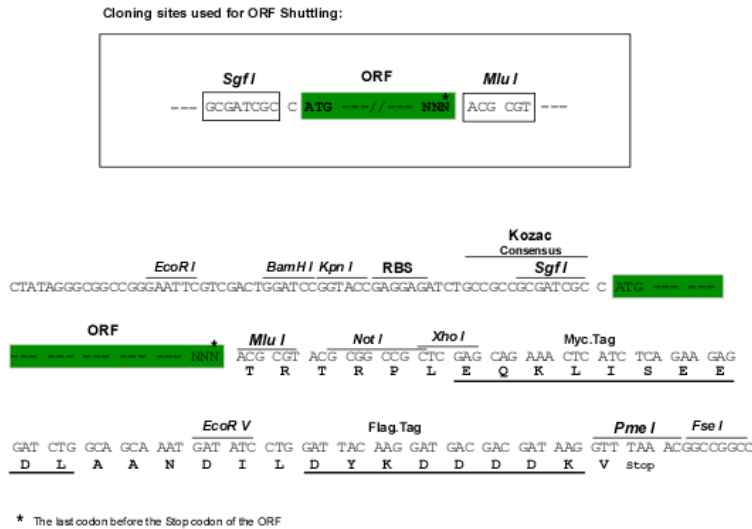
Chromatograms:

https://cdn.origene.com/chromatograms/mm9098_e08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_172669

ORF Size:

3900 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

RefSeq: [NM_172669.3](#), [NP_766257.3](#)

RefSeq Size: 5329 bp

RefSeq ORF: 3903 bp

Locus ID: 228361

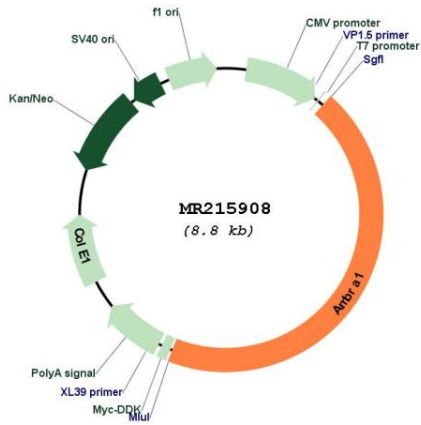
UniProt ID: [A2AH22](#)

Cytogenetics: 2 E1

MW: 142.9 kDa

Gene Summary: Regulates autophagy and development of the nervous system. Involved in autophagy in controlling protein turnover during neuronal development, and in regulating normal cell survival and proliferation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215908