

## Product datasheet for **MC223952**

### Ambra1 (NM\_001080754) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ambra1 (NM_001080754) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ambra1
Synonyms:	2310079H06Rik; A130023A14; AA474864; AV021921; D030051N19Rik; mKIAA1736
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223952 representing NM_001080754 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAGTTGTCCAGAGAAGAATGCTGTACGAATCCTCTGGGGCCGAGAACGGGGCACTCGTGCCATGG  
GTGCCAGCGGCTTCTGCAGGAGCTGGTGGAGGATAAGACTCGATGGATGAAATGGGAGGGCAAGAGAGT  
AGAAGTGCCTGATAGTCCAGCTCGACCTTCTTACTGGCCTTCAGCCAGACAGGACTCTCTGGCATCC  
ACACATGTGAACCATAACATCTATATTACAGAGGTTAAGACTGGCAAGTGTGTTCACTCTCTGATCGGAC  
ACCGCCGTAATCCATGGTGTGCACTTTTACCCACCATCTCAGGCCTTATTGCTTCTGGTTGCCTAGA  
TGGGGAAGTTAGGATTTGGGATTTACATGGGGCAGTAAAAGCTGGTTCACAGACAGCAACAATGCCATA  
GCCTCCTTGGCTTTCCACCCTACGGCTCAGCTTCTACTAATTGCCACTGCAAATGAGATCCATTTCTGGG  
ATTGGAGTCGTCGGGAGCCCTTTGCTGTGGTGAACAGCCAGTGAAGTGGAGCGTGTCCGCTGGTGAG  
ATTTGATCCACTTGGACACTACTTACTTACAGCTATTGTTAACCTTCTAATCAGCAGGGTGATGACGAA  
CCAGAAATCCCTATAGATGGAACAGAGTTATCTCATTACCGTCAACGTGCCCTCCTGCAATCACAGCCAG  
TTCGCCGGACACCTCTCTCCACAATTTCTGCACATGCTGTCCCTCCGTTCTCTGGCATCCAGACCGA  
GCCCTTCCATCCCCGGAGCAGGCTTCACTCAACGCAGCAGGACCAGGGCTCCTGAACCGCCGCTCTGCC  
TTCAGTACAGTCCAGAGCAGCACTGCGGGCAACACGCTCCGCAACCTCAGTCTGGTCTCTACCCGCGCT  
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TGAGTGGACCCGGACAGTACTACTCTGAACTCTCGTTCTGAGGTAGAATCTATGCCCCACCGAGGACC  
AGTGCCTCCTCAGTGAGTTTGTCTTCTGTACTGAGACAGCAGGAAGGTGGCTCTCAGGCATCTGTGATA  
CTTCAGCCACAGAAGGGAGGGTTTTCCATCATCAGGTTGGCAACTGAGTCAGATGGAGGGAATGGTTC  
CAGCCAAAACAACCTCAGGCAGCATTCCGCATGAGCTTCAATGTGACCTGAGACGCTTCTTTTGGAGTAT  
GACAGGCTGCAGGAGCTGGATCAGAGCCTGAGTGGGAAACTCCCAGACCCAACAGGCCAGGAAATGC  
TCAACAATAATATTGAATCTGAGAGACCAGGTCCTTCCCACCTGCTACCCACACAGCAGTGAGAACAA  
CTCCAACCTGTCTCGGGCCACCTTAATCGATGCCGTGCTTGCCATAATCTTCTAACCTTCAACAATGAT  
ACCTTCTGTTGGGAAAGAACCACACCTAACTACTCATCTGGTGGAGCTAGCTTCTCTGGCAGCTCTCCA



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CTACCTTTGAGGGCATGCCACCAAGTGGCAACCAGCTACCACCTCTTGAGCGGACTGAGGGCCAAATGCC  
 TAGCTCCAGCAGGCTGGAGTTGAGCAGCTCTGCTAGTTCAACAAGAGGAGAGGACTGTGGGGTGGCCTTT  
 AACCCAGGAGACAGGCCACTGGGAACGCATTTATACCCAGTCCAGCAGATCTGGAAGTGTATCACAGGAGG  
 CCTTACATCAAGATATGCCTGAAGAAAGCTCTGAGGAAGACTCCCTCAGGAGGAGGCTGCTGGAGTCTC  
 CCTCATTTATTATCCCCTTATGATGGAGCAGGATCCAGAGAGCACCAATTTACCCAGACCCAGCGAGA  
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 CCCCAGAAATGCCGAATGTCTGCACCTTCACTTGACGATTTGTTCCAAGCGTTTTTTGCTGCCTGAGT  
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 GGTCTGGCAGGGGAGTAATTGGAGATGGACAGTCTGCTGTGGCCAGTAACATTGCCAATACTACCTAC  
 AGGCTCCAGTGGTGGGACTTCACTAAGTTTGACCTTCCAGAAATCAGTAATGCCTCTGTGAATGCCTGG  
 TACAGAATTGCAAGATCTACAATGATGCCAGTGTGACATTTCTGCAGATGGTCAGCTCCTGGCAGCCTT  
 CATCCCGAGCAGCCAGAGGGGCTTCTGATGAAGGCATCCTGGCAGTGTATTCCCTGGCCCCCATAAC  
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 ATGCCTGCAGACCAACGGAGACAGTCAAGTCAACTCTGCCCGTTGGCTACCCGAGCCAGGGCTTGGTT  
 TGGCCTATGGCACCAACAAGGAGACTTGGTGTCTGCCGACCAGAGGCCTTAACTCTGGCATCGAGTA  
 CTACTGGGACCAGCTAAGTGAACAGTCTTCACTGTCCACTCAAGTAGCAGGAGCAGCGAGCGGCCTGGA  
 ACCAGCAGAGCCACGTGGCGGACAGACAGAGACATGGGTTTGTGAATGCAATTGGGCTGCAGCCTCGGA  
 ACCCAACCACCTCTGTGACATCTCAGGGCACCCAGACTCTGGCCCTCCAGTTGCAGAACCCTGAAACACA  
 GACTGAGAGGGGAGGAAGAGGAACCAGGGGAGCATCTTTCAGGTCCTGGTGAAGGGGAGGGCTCAGAAAT  
 GGTGGCAGTGGGGAAGATGCCCTCAGCAGGATCCAGAGGCTGATGGCCGAGGGTGGCATGACAGCTGTGG  
 TACAACGGGAACAGAGCACACCATGGCCTCCATGGGTGGCTTTGGCAACAACATCATCGTTAGCCACCG  
 CATTACCCGACAGCTCCAGACAGGCACAGAGTCAAGGGGCTGCTCGTACCTCCTCACCCAGCCCTCCACC  
 TCTCGAGGACTGCCATCAGAACCCTGGGCAACTGGCAGAGCGAGCGCTAAGCCCCGGACAGCCTCCTGGG  
 ACCAGCCTAGTACCTCTGGGAGGAACTACCCAGCCAGCCCTGTCTCTTCTCCCTGTCCCCATTCC  
 AGTCCCCCTTGCAGCAATGAGGGACCAACCATGCACTGCAATGTGACCAATAACAGTACCTTCTCTGAG  
 GGTGATGGTAGCAACAGGGGGAAGCTGCAGGCCCTAGTGGAGAGCCACAGAACCGATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_001080754

**Insert Size:**

3630 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\\_001080754.1](#), [NP\\_001074223.1](#)

**RefSeq Size:** 5056 bp

**RefSeq ORF:** 3630 bp

**Locus ID:** 228361

**UniProt ID:** [A2AH22](#)

**Cytogenetics:** 2 E1

**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]