

Product datasheet for **SC337964**

AMBRA1 (NM_001300731) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMBRA1 (NM_001300731) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMBRA1
Synonyms:	DCAF3; WDR94
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001300731, the custom clone sequence may differ by one or more nucleotides

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ATGAAGTTGTCCAGAAAAGAATGCTGTCCGGATACTCTGGGGCGGAGAACGGGGTCTCGGGCCATGG
GAGCTCAGCGGCTTCTGCAGGAGCTGGTAGAAGATAAAACCCGGTGGATGAAATGGGAGGGCAAGAGAGT
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TGGGGAGGTTAGGATTTGGGATTTACACGGTGGCAGTGAAGCTGGTTCACAGATAGCAACAATGCCATT
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AGAAGGGAGGGGTTTTCCGGCATCAGGGTTGGCAACTGAGTCAGATGGAGGGAATGGCTCCAGCCAAAAC
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AGGAGCTGGATCAGAGCCTGAGTGGGAAGCTCCCCAGACCAACAGGCCAGGAATGCTCAACAATAA

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CATTGAATCTGAGAGGCCAGGCCCTTCCCACCAGCCACCCACACAGCAGTGAGAACAACCTCCAACCTG
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 GGAGCAGCGAGCGGCCTGGAACCCAGCAGAGCCACATGGAGGACAGACAGAGACATGGGGCTGATGAATGC
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 CTGCAGAATGCCAAACACAGACTGAGAGGGAGGTGCCGAGCCAGGGACAGCCGCTCAGTCTGGTG
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 AACATCATCGTACGCCACCGCATTACCCGAGCTCTCAGACGGGCACTGAACCTGGTGGCCGCCACACCT
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 CCCCCGGACAGCTTCTGGGACCAGCCTGGTACCCTGGGCGGGAGCCAAACCCAGCAACCTGCCCTCT
 TCCTCCCTGTCCCCATTCTGTTTCCCTTCCCAGCGCTGAGGGACCAACCTCCACTGCGAGTTGACCA
 ATAACAACCACCTTCTGGATGGTGGCAGCAGCGGGGACGCTGCAGGCCCTAGGGGAGAACCACGGAA
 CAGGTAG

Restriction Sites:

SgfI-MluI

ACCN:

NM_001300731

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:	<u>NM_001300731.1, NP_001287660.1</u>
RefSeq Size:	5126 bp
RefSeq ORF:	3717 bp
Locus ID:	55626
UniProt ID:	<u>Q9C0C7</u>
Cytogenetics:	11p11.2
Gene Summary:	<p>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 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) retains an alternate in-frame intron and lacks two alternate in-frame exons compared to variant 1. The resulting isoform (4) contains an alternate internal segment and lacks two other alternate internal segments compared to isoform 1.</p>