

Product datasheet for **RC240070**

AMBRA1 (NM_001300731) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMBRA1 (NM_001300731) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AMBRA1
Synonyms:	DCAF3; WDR94
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC240070 representing NM_001300731 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGTTGTCCAGAAAAGAATGCTGTCCGGATACTCTGGGGCGGAGAACGGGGTGCTCGGGCCATGG
GAGCTCAGCGGCTTCTGCAGGAGCTGGTAGAAGATAAAACCCGGTGGATGAAATGGGAGGGCAAGAGAGT
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ACCGCCGTAATCCATGGTGTGTCACCTTTTCATCCACCATCTCAGGCCTTATTGCTTCTGGCTGCCTAGA
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AGGAGCTGGATCAGAGCCTGAGTGGGAAGCTCCCCAGACCCAACAGGCCAGGAAATGCTCAACAATAA
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Protein Sequence: >RC240070 representing NM_001300731
 Red=Cloning site Green=Tags(s)

MKVVPEKNAVRILWGRERGARAMGAQRLLQELVEDKTRWMKWEQKRVLPDSRSTFLLAFSPDRLLAS
 THVNHNIYITEVKTGKCVHSLIGHRRTPWCVTFHPTISGLIASGLDGEVRIWDLHGGSESWFTDSNNAI
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 RPRTSAYIRLRQRVSYPTAECCQHLGILCLCSRCSGTRVPSLLPHQDSVPPASARATTPSFVQTEPFH
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 GQLLAAPFSSSQRGFPDEGILAVYSLAPHNLGEMLYTKRFGPNAISVSLSPMGRYVMVGLASRRILLHPS
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 LNSGVEYYWDLNETVFTVHSNSRSESRPGTSRATWRTRDRMGLMNAIGLQPRNPATSVTSQGTQLALQ
 LQNAETQTEREVEPQTAASGPGEGEGSEYGASGEDALSRIQRLMAEGGMTAVVQREQSTTMASMGFGN
 NIIVSHRIHRSSQTGTEPGAHTSSPQPSTSRGLLPEAGQLAERGLSPRTASWDQPGTPGREPTQPTLPS
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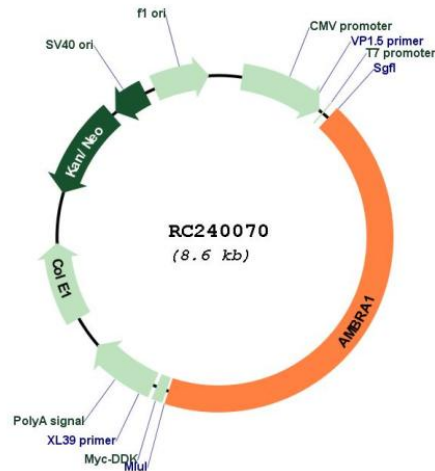
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001300731

ORF Size: 3714 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.

RefSeq: [NM_001300731.2](#)

RefSeq Size: 5126 bp

RefSeq ORF: 3717 bp

Locus ID: 55626

UniProt ID: [Q9C0C7](#)

Cytogenetics: 11p11.2

MW: 136 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 (By similarity).[UniProtKB/Swiss-Prot Function]