OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RN205616

Ace (NM_012544) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ace (NM_012544) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ace
Synonyms:	CD143; Dcp1; StsRR92
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>RN205616 representing NM_012544
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGGCCGCGTCCGGCCAGCGGGGGCGGTGGCCGTTGTCACCGCCGCTCTTGATGCTGTCGCTGCTGC
TGCTGCTGCTGCTGCCGCCGTCGCCCGCCCCGGCGCTTGACCCTGGATTGCAGCCGGGCAACTTTTCCGC
GGACGAGGCAGGGGCGCAGCTCTTCGCTGACAGCTATAACTCGAGTGCCGAGGTGGTGATGTTCCAGAGC
ACCGCAGCCAGCTGGGCGCACGACACCAACATCACGGAGGAGAATGCGCGGCTCCAGGAGGAAGCGGCCC
TGATCAACCAGGAGTTTGCAGAGGTCTGGGGCAAGAAGGCCAAGGAGCTGTATGAGTCCATCTGGCAGAA
CTTCACTGACCAAAAGCTGCGAAGGATCATCGGATCCGTACAGACCCTAGGACCTGCCAACCTGCCCCTG
ACCCAGCGGCTGCAGTACAACTCTCTGCTAAGCAACATGAGCAGAATCTACTCCACCGGCAAGGTCTGCT
TCCCCAACAAGACTGCCACCTGCTGGTCCCTGGACCCAGAGCTCACCAACATCCTGGCTTCCTCACGAAA
CTATGCCAAGGTGCTGTTTGCCTGGGAAGGCTGGCATGATGCTGTGGGTATCCCACTGAAGCCCCTCTAT
CAGGACTTTACTGCCCTCAGTAATGAAGCCTACAGACAAGATGGCTTCTCAGACACAGGAGCCTACTGGC
GCTCCTGGTATGAGTCCCCCTCCTTTGAAGAGAGTTTGGAGCATCTCTACCACCAAGTCGAGCCCCTCTA
CCTGAACCTCCATGCCTTTGTCCGTCGCGCACTGCACCGCCGCTATGGGGACAAATACATCAATCTCAGA
GGTCCTATTCCCGCTCATCTGCTGGGAGACATGTGGGCGCAGAGCTGGGAGAACATTTACGACATGGTAG
TGCCTTTCCCGGACAAACCCAACCTCGATGTCACCAGTACAATGGTACAGAAGGGCTGGAATGCCACGCA
CATGTTCCGGGTCGCAGAGGAATTCTTTACCTCGCTGGGGCTCTCCCCCATGCCTCCAGAGTTCTGGGCG
GAGTCGATGCTGGAGAAACCAGCTGATGGACGGGAGGTGGTGTGCCATGCCTCTGCGTGGGACTTCTACA
ACAGGAAGGACTTCAGGATTAAGCAGTGCACGCGGGTCACGATGGACCAGCTGTCCACAGTACACCACGA
GATGGGCCACGTGCAGTACTATCTCCAGTACAAGGACCTGCACGTCTCTCTGCGTCGAGGTGCCAACCCT
GGCTTCCACGAGGCCATCGGGGATGTACTCGCTCTCTCTGTCTCTACCCCAGCACATCTGCACAAAATTG
GCCTGCTAGACCGTGTTGCCAATGACATAGAAAGTGACATCAATTACTTGCTAAAGATGGCCCTAGAGAA
AATTGCCTTCTTGCCCTTTGGTTACCTGGTGGACCAGTGGCGCTGGGGGGTCTTCAGTGGACGTACCCCA
CCCTCTCGCTACAACTACGACTGGTGGTATCTTCGAACCAAGTATCAGGGGATCTGCCCACCAGTTGCTC

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GGAATGAAACCCATTTTGACGCTGGGGCCAAGTTTCACATCCCAAGCGTGACACCATACATCAGGTACTT
TGTGAGTTTCGTGCTACAGTTCCAGTTCCATCAAGCGCTGTGCAAGGAGGCAGGCCACCAGGGTCCACTA
CACCAGTGTGACATCTACCAGTCCACCAAGGCAGGGGCCAAGCTCCAACAGGTGCTGCAGGCTGGCTGCT
CCAGGCCCTGGCAGGAGGTGCTGAAGGACCTGGTGGGTTCAGATGCGCTGGATGCCAGTGCGCTAATGGA
GTACTTCCAACCAGTAAGCCAGTGGCTGCAGGAGCAGAATCAGCGGAATGGCGAGGTCCTAGGCTGGCCG
GAGTATCAGTGGCGTCCACCGTTACCAGACAACTATCCAGAGGGAATTGACCTAGAGACTGATGAAGCCA
AGGCTAACAGGTTCGTGGAGGAGTATGACCGGACAGCCAAGGTGTTGTGGAACGAATACGCAGAGGCCAA
CTGGCATTATAACACCAACATTACCATAGAGGGCAGCAAGATCCTGCTTCAGAAAAACAAGGAAGTGTCC
AACCATACCTTGAAATATGGCACCTGGGCCAAGACATTTGACGTGAGCAACTTCCAGAACTCTACCATCA
AGCGGATCATAAAGAAGGTTCAGAACGTGGACCGGGCAGTGCTGCCTCCCAACGAGTTAGAAGAGTACAA
CCAGATCCTGCTAGACATGGAGACGACTTACAGTGTAGCCAATGTTTGCTACACAAATGGCACTTGTCTG
TCACTGGAGCCTGATCTGACAAATATAATGGCCACGTCCCGGAAATACGAAGAATTGCTTTGGGTGTGGA
AGAGCTGGCGAGACAAGGTGGGGAGAGCCATCCTTCCCTTTTTCCCAAAGTACGTGGACTTCTCCAACAA
GATCGCCAAGCTCAACGGCTACTCTGATGCAGGGGATTCCTGGAGATCCTCATATGAGTCCGACGACTTG
GAGCAAGACCTGGAAAAACTATACCAGGAGCTGCAGCCGCTCTACCTGAACCTGCATGCCTATGTGCGCC
GCTCCCTGCACCGCCATTATGGGTCTGAGTACATCAACCTGGATGGTCCCATTCCTGCTCACCTGCTAGG
GAACATGTGGGCACAGACTTGGTCCAACATCTATGACTTGGTGGCACCCTTCCCTTCCGCCCCCAGTATA
GATGCCACGGAGGCCATGATAAAGCAGGGATGGACACCCAGAAGGATATTTAAGGAAGCTGACAATTTTT
TTACCTCCCTGGGGCTGTTACCTGTGCCCCCTGAGTTCTGGAACAAGTCAATGTTAGAGAAGCCAACCGA
TGGGAGGGAGGTGGTGTGCCATGCCTCAGCCTGGGACTTCTACAACGGCAAGGACTTCAGGATCAAGCAG
TGTACCTCTGTGAACATGGAGGAATTGGTGATAGCCCACCACGAAATGGGCCACATCCAGTATTTCATGC
AGTACAAAGACTTGCCTGTGACCTTTCGGGAGGGCGCCAACCCCGGTTTTCATGAGGCTATTGGAGATGT
TTTGGCTCTGTCTGTGTCTACACCCAAGCATCTACACAGTCTCAACCTGCTCAGCAGTGAGGGCAGTGGC
TACGAGCATGACATCAACTTTCTAATGAAGATGGCCCTTGACAAGATCGCCTTCATCCCCTTCAGCTACC
TCATTGACCAGTGGCGCTGGAGGGTCTTTGACGGAAGCATCACCAAGGAGAACTACAACCAGGAGTGGTG
GAGTCTCAGACTGAAGTACCAGGGTCTCTGCCCTCCAGTGCCTAGATCCCAAGGTGACTTTGACCCAGGG
TCCAAGTTCCACGTTCCTGCGAATGTGCCATACATCAGGTACTTTATCAGCTTCATCATCCAGTTCCAGT
TCCACGAGGCACTATGTCGCGCAGCCGGGCACACCGGCCCCCTGTACAAGTGTGATATCTACCAATCCAA
GGAAGCAGGGAAGCTGCTGGCAGATGCCATGAAGTTGGGCTACAGTAAGCAGTGGCCAGAAGCCATGAAG
ATAATCACAGGCCAACCTAACATGTCAGCCTCTGCCATTATGAATTACTTCAAGCCACTGACTGAATGGC
TCGTCACAGAGAACAGGAGACATGGAGAGACACTGGGCTGGCCGGAGTACACCTGGACACCAAACACGGC
TCGTGCAGAAGGCTCCCTCCCAGAGTCCAGTCGCGTCAACTTCCTGGGTATGTACCTGGAACCACAGCAG
GCCCGTGTGGGCCAGTGGGTGCTGCTCTTCCTAGGCGTCGCCCTGCTGGTGGCCACCGTGGGTCTCGCCC
ACCGACTCTACAACATCCATAACCATCACAGCCTCCGCCGGCCCCACCGTGGGCCCCAGTTTGGGTCCGA
GGTGGAGCTCAGACACTCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_012544

Insert Size: 3942 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_012544.1, NP_036676.1
RefSeq Size:	4142 bp
RefSeq ORF:	3942 bp
Locus ID:	24310
UniProt ID:	P47820
Cytogenetics:	10q32.1
Gene Summary:	catalyzes the conversion of angiotensin I to angiotensin II; plays a role in regulation of blood pressure [RGD, Feb 2006]