

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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205616 representing NM_012544 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGCCCGGTCCGGCCAGCGGGGGCGGTGGCCGTTGTACCGCCGCTCTTGATGCTGTCGCTGCTGC
TGCTGCTGCTGCTGCCGCGTCGCCCGCCCGCGCTTGACCCTGGATTGCAGCCGGGCAACTTTCCGC
GGACGAGGCAGGGGCGCAGCTCTTCGCTGACAGCTATAACTCGAGTGCCGAGGTGGTGTATGTTCCAGAGC
ACCGCAGCCAGCTGGGCGCAGCACCAACATCACGGAGGAGAATGCGCGGCTCCAGGAGGAAGCGGCC
TGATCAACCAGGAGTTTGCAGAGGTCTGGGCAAGAAGCCAAGGAGCTGTATGAGTCCATCTGGCAGAA
CTTCACTGACAAAAGCTGCGAAGGATCATCGGATCCGTACAGACCCTAGGACCTGCCAACCTGCCCTG
ACCCAGCGGCTGCAGTACAACCTCTCGTAAGCAACATGAGCAGAATCTACTCCACCGGCAAGGTCTGCT
TCCCAACAAGACTGCCACCTGCTGGTCCCTGGACCCAGAGCTCACCAACATCCTGGCTTCTCACGAAA
CTATGCCAAGGTGCTGTTTGCCTGGGAAGGCTGGCATGATGCTGTGGGTATCCCCTGAAGCCCCTCTAT
CAGGACTTTACTGCCCTCAGTAATGAAGCCTACAGACAAGATGGCTTCTCAGACACAGGAGCCTACTGGC
GCTCCTGGTATGAGTCCCCTCCTTTGAAGAGAGTTTGGAGCATCTCTACCACCAAGTCGAGCCCCTCTA
CCTGAACCTCCATGCCTTTGTCGTCGCGCACTGCACCGCCGCTATGGGGACAAAATACATCAATCTCAGA
GGTCTATTTCCCGCTCATCTGCTGGGAGACATGTGGGCGCAGAGCTGGGAGAACATTTACGACATGGTAT
TGCCCTTTCCCGGACAAAACCAACCTCGATGTCACCAAGTACAATGGTACAGAAGGGCTGGAATGCCACGCA
CATGTTCCGGGTGCGAGAGGAATTCTTTACCTCGCTGGGCTCTCCCCATGCCTCCAGAGTTCTGGGCG
GAGTCGATGCTGGAGAAACCAGCTGATGGACGGGAGGTGGTGTGCCATGCCTCTGCGTGGGACTTCTACA
ACAGGAAGGACTTCAGGATTAAGCAGTGCACGCGGGTACGATGGACCAGCTGTCCACAGTACACCACGA
GATGGGCCACGTGCAGTACTATCTCCAGTACAAGGACCTGCACGTCTCTGCGTCGAGGTGCCAACCT
GGCTTCCACGAGGCCATCGGGATGTACTCGTCTCTGTCTCTACCCAGCACATCTGCACAAAATTG
GCCTGCTAGACCGTGTGCCAATGACATAGAAAGTACATCAATTAAGTAAAGTGGCCCTAGAGAA
AATTGCCTTCTGCCCTTGGTTACCTGGTGGACAGTGGCGCTGGGGGTCTTCAGTGGACGTACCCCA



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CCCTCTCGCTACAACACGACTGGTGGTATCTTCGAACCAAGTATCAGGGGATCTGCCACCAGTTGCTC
 GGAATGAAACCCATTTTGACGCTGGGGCCAAGTTTACATCCCAAGCGTGACACCATACATCAGGTA
 TGTGAGTTTCGTGCTACAGTTCCAGTTCCATCAAGCGCTGTGCAAGGAGGCAGGCCACCAGGGTCCACTA
 CACCAGTGTGACATCTACCAGTCCCAAGGCAGGGGCAAGCTCCAACAGGTGCTGCAGGCTGGCTGCT
 CCAGGCCCTGGCAGGAGGTGCTGAAGGACCTGGTGGGTTCCAGTGCCTGGATGCCAGTGCCTAATGGA
 GTAATTCACCAAGTAAAGCAGTGGCTGCAGGAGCAGAATCAGCGGAATGGCGAGGTCTAGGCTGGCCG
 GAGTATCAGTGGGCTCCACCGTTACCAGACAATCCAGAGGGAATTGACCTAGAGACTGATGAAGCCA
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 AACCATACCTTGAATATGGCACCTGGGCAAGACATTTGACGTGAGCAACTTCAGAACTTACCATCA
 AGCGGATCATAAAGAAGGTTCAGAACGTGGACCGGCGAGTGTGCTCCCAACGAGTTAGAAGAGTACAA
 CCAGATCTGCTAGACATGGAGACGACTTACAGTGTAGCCAATGTTTGTACACAAATGGCACTTGTCTG
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 GATCGCCAAGCTCAACGGCTACTCTGATGCAGGGGATTCTGGAGATCCTCATATGAGTCCGACGACTTG
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 GCTCCCTGCACCCGCAATTATGGTCTGAGTACATCAACCTGGATGGTCCCATTCTGCTCACCTGTAGG
 GAACATGTGGGCACAGACTTGGTCCAACATCTATGACTTGGTGGCACCCCTTCCCTTCCGCCCCAGTATA
 GATGCCACGGAGGCCATGATAAAGCAGGGATGGACACCCAGAAGGATATTTAAGGAAGCTGACAATTTT
 TTACCTCCCTGGGGCTGTACCTGTGCCCTGAGTCTGGAACAAGTCAATGTTAGAGAAGCCAACCGA
 TGGGAGGGAGGTGGTGTCCATGCCTCAGCCTGGGACTTCTACAACGGCAAGGACTTCAGGATCAAGCAG
 TGTACCTCTGTGAACATGGAGGAATTGGTGTAGCCACCACGAAATGGCCACATCCAGTATTTTCATGC
 AGTACAAAGACTTGCCTGTGACCTTTCGGGAGGGCGCCAACCCCGTTTTTCATGAGGCTATTGGAGATGT
 TTTGGCTGTCTGTGCTACACCCAAGCATCTACACAGTCTCAACCTGCTCAGCAGTGAGGGCAGTGGC
 TACGAGCATGACATCAACTTTCTAATGAAGATGGCCCTTGACAAGATCGCCTTATCCCTTCAGCTACC
 TCATTGACCAGTGGCGCTGGAGGTCTTTGACGGAAGCATCACCAAGGAGAACTACAACCAGGAGTGGTG
 GAGTCTCAGACTGAAGTACCAGGTCTCTGCCCTCAGTGCCTAGATCCCAAGGTGACTTTGACCCAGGG
 TCCAAGTTCACGTTCTGCGAATGTGCCATACATCAGGTAATTTATCAGCTTATCATCCAGTTCAGT
 TCCACGAGGCACTATGTCGCGCAGCCGGGCACACCGGCCCTGTACAAGTGTGATATCTACCAATCCAA
 GGAAGCAGGAAGCTGCTGGCAGATGCCATGAAGTTGGGCTACAGTAAGCAGTGGCCAGAAGCCATGAAG
 ATAATCACAGGCCAACCTAACATGTCAGCCTCTGCCATTATGAATTAATCAAGCCACTGACTGAATGGC
 TCGTCACAGAGAACAGGAGACATGGAGAGACACTGGGCTGGCCGGAGTACACCTGGACACCAACACGGC
 TCGTGCAGAAGGCTCCCTCCCAGAGTCCAGTCCGCTCAACTTCCCTGGGTATGTACCTGGAACCACAGCAG
 GCCCGTGTGGCCAGTGGGTGCTGCTTCTTAGGCGTGCCTGCTGGTGGCCACCGTGGGTCTCGCCC
 ACCGACTCTACAACATCCATAACCATCACAGCCTCCGCGGCCCCACCCTGGGCCCCAGTTTGGGTCCGA
 GGTGGAGCTCAGACACTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 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]