

Product datasheet for **RR205616**

Ace (NM_012544) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ace (NM_012544) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Ace
 Synonyms: CD143; Dcp1; StsRR92
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR205616 representing NM_012544
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGATCGCC**

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Protein Sequence: >RR205616 representing NM_012544
Red=Cloning site Green=Tags(s)

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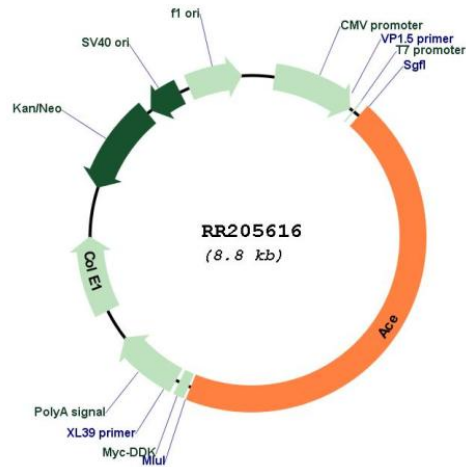
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Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_012544

ORF Size: 3939 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_012544.1](#), [NP_036676.1](#)

RefSeq Size: 4142 bp

RefSeq ORF: 3942 bp

Locus ID: 24310

UniProt ID: [P47820](#)

Cytogenetics: 10q32.1

MW: 150.9 kDa

Gene Summary: catalyzes the conversion of angiotensin I to angiotensin II; plays a role in regulation of blood pressure [RGD, Feb 2006]