

Product datasheet for MR231729

Ace (NM_001281819) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ace (NM_001281819) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ace
Synonyms: AW208573; CD143
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR231729 representing NM_001281819
Red=Cloning site Blue=ORF Green=Tags(s)

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GCCGCGATCGCC

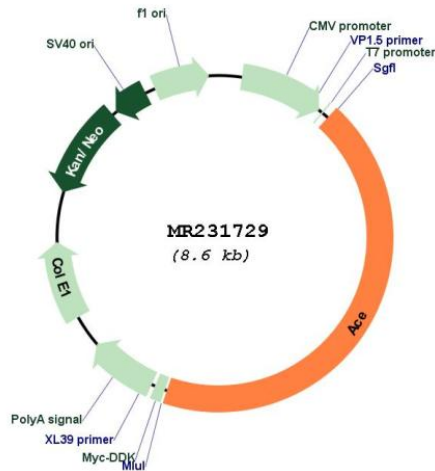
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 TGCTGTTGCTGCAGCCGTCGCCCCCGGCACCTCGACCCTGGATTGCAGCCGGGCAACTTTCCCGGA
 CGAGGCAGGGGCGCAGCTTTTCGCTGAAAGCTATAACTCGAGTGCCGAGGTGGTGTGTTCCAGAGCACC
 GTGGCCAGTTGGGCGCACGACCAACATCACGGAGGAGAACCGCGACGCCAGGAGGAAGCGGCCCTGG
 TCAGCCAGGAGTTTGCAGAGGTCTGGGGCAAGAAGGCCAAGGAGTTGTATGAGTCCATTTGGCAGAAGCT
 TACTGACTCAAAGCTGCGAAGGATCATCGGATCTATTCGGACCCTAGGACCTGCCAATCTGCCCTGGCC
 CAGCGGCAGCAGTACAACCTCTGCTAAGCAACATGAGCAGAATCTACTCCACTGGCAAGGTCTGCTTCC
 CCAACAAGACTGCCACCTGCTGGTCCCTGGACCAGAGCTCACCACATCCTGGCTTCTCACGAAGCTA
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 CCTATTCTGCCATTTGCTGGGAGACATGTGGGCCAGAGCTGGGAGAACATCTACGACATGGTAGTGC
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 CGCCTTCTTGCCCTTTGGCTACCTGGTGGACAGTGGCGTTGGGGGCTTTCAGTGGACGGACCCCAACC
 TCTCGCTACAACCTTCGACTGGTGGTATCTTCGAACCAAGTATCAGGGGATCTGCCACCAGTTGCCCGGA



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ATGAAACCCATTTTGATGCTGGAGCCAAGTTTCACATCCCAAACGTGACACCGTACATCAGGTACTTCGT
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CAAGACCTGGA AAAACTGTACCAGGAGCTGCAGCCACTTACCTGAACCTGCATGCCTATGTGCGTCGTT
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CCTCAGGCTGAAGTATCAGGGTCTGTGCCCCCAAGTGC CAAGATCCCAAGGTGACTTTGACCCAGGGTCC
AAGTTCACGTTCTCGCAACGTGCCATACGTCAGGACTTTGTGAGTTCATCATCCAGTTCAGTTC
ACGAGGCGCTGTGTGCGCAGCCGGGCACACGGTCCCCTGCACAAGTGTGACATCTACCAATCCAAGGA
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TCACCGAGAACAGGAGACATGGAGAGACTGGGCTGGCCGGAGTACAACCTGGGCGCCAAACACCGGTAC
TACACCCACCCTGCCTCCAGCCCCGGGCCAGCTCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Plasmid Map:


ACCN: NM_001281819

ORF Size: 3747 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_001281819.2](#)

RefSeq Size: 5091 bp

RefSeq ORF: 3750 bp

Locus ID: 11421

Cytogenetics: 11 68.84 cM

MW: 144 kDa

Gene Summary: Converts angiotensin I to angiotensin II by release of the terminal His-Leu, this results in an increase of the vasoconstrictor activity of angiotensin. Also able to inactivate bradykinin, a potent vasodilator. Has also a glycosidase activity which releases GPI-anchored proteins from the membrane by cleaving the mannose linkage in the GPI moiety. This GPIase activity seems to be crucial for the egg-binding ability of the sperm.[UniProtKB/Swiss-Prot Function]