

Product datasheet for **MR227395**

Ace (NM_009598) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ace (NM_009598) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ace
Synonyms:	AW208573; CD143
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR227395 representing NM_009598
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCCAAGGTTGGGCTACTCCAGGACTGCCAGCTTCTCTTTCTGCTGCTGCTGTGGGCACCATC
 TGCTGGTCTGAGTCAGGTGGCCACTGACCACGTGACAGCCAACCAGGGGATAACAAACCAGGCAACAAC
 CAGAAGCCAGACAACAACCTACCAAGCAACCATTGACCAGACAACCCAGATCCCAAACCTAGAGACTGAT
 GAAGCCAAGGCTGACAGGTTCTGGAAGAGTATGACCGGACAGCCCAAGTGTGTTGAACGAGTACGCGAG
 AGGCCAACTGGCAATATAACACCAACATTACCATAGAGGGCAGCAAGATCCTGCTTGAGAAAAGCACGGA
 GGTATCCAATCACACCCTGAAATATGGCACCCGGGCCAAGACATTTGATGTGAGCAACTTCAAACCTCT
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 GAATGGCTCGTACCCGAGAACAGGAGACATGGAGAGACTGGGCTGGCCGGAGTACAACCTGGGCGCCAA
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 ACAGCAGGCCCGCTGGGCCAGTGGGTGCTGCTTCTGGGCGTCGCCCTGCTCGTGGCCACCGTGGGT
 CTCGCCATCGGCTCTACAACATCCGTAACCATCACAGCCTCCGCCGGCCCCACCGTGGGCCCCAGTTTG
 GGTTCTGAGGTGGAGCTCAGACTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227395 representing NM_009598
Red=Cloning site Green=Tags(s)

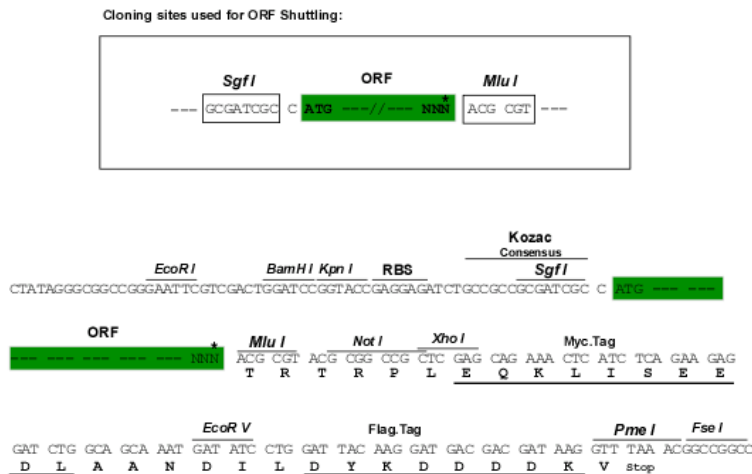
MGQGWATPGLPSFLFLLCCGHLLVLSQVATDHVTANQGITNQATTRSQTTHQATIDQTTQIPNLETD
 EAKADRFVEEYDRTAQVLLNEYAEANWQYNTNITIEGSKILLEKSTEVSNHTLKYTRAKTFDVSNFQNS
 SIKRIIKKLQNLDRAVLPPKELEEYNQILLDMETTYSLSNICYTNGTCMPLEPDLTNMMATSRKYEELLW
 AWKSWRDKVGRAILPFFPKYVEFSNKIAKLNQYTDAGDSWRSLYESDNLEQDLEKLYQELQPLYLNLHAY
 VRRSLHRHYGSEYINLDGPIPAHLLGNMWAQTSNIYDLVAPFPSAPNIDATEAMIKQGWPTRRIFKEAD
 NFFTSLGLLPVPPEFWNKSMLEKPTDGREVVCHPSAWDFYNGKDFRIKQCTSVNMEDLVIAHHMGHIQY
 FMQYKDLPVTFREGANPGFHEAIGDIMALSVPKHLYSLNLLSTEGSGYEYDINFLMKMALDKIAFIPF
 SYLIDQWRWRVFDGSITKENYNQEWWSLRKYQGLCPPVPRSQGDFFPGSKFHVPANVPYVRYFVSFIIQ
 FQFHEALCRAAGHTGPLHKCDIYQSKEAGKLLADAMKLGYSKPWEAMKLITGQPNSASAMMNYFKPLT
 EWLVTENRRHGETLGPWEYNWAPNTARAEGSTAESNRVNFGLYLEPQQARVQWVLLFLGVALLVATVG
 LAHRLYNIRNHSLRRPHRGPQFGSEVELRHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9004_d06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_009598

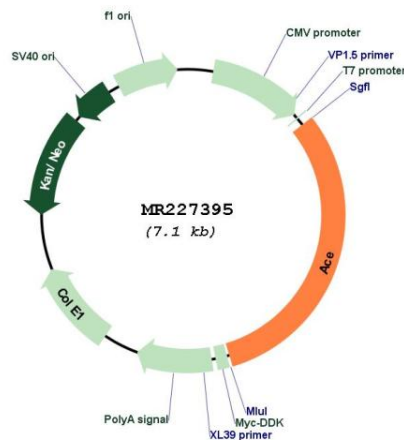
ORF Size: 2196 bp

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:	<ol style="list-style-type: none"> 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:	<u>NM_009598.3</u>
RefSeq Size:	3129 bp
RefSeq ORF:	2199 bp
Locus ID:	11421
UniProt ID:	<u>P09470</u>
Cytogenetics:	11 68.84 cM
MW:	84.5 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]

Product images:



Circular map for MR227395