

Product datasheet for **RN214151**

Ace2 (NM_001012006) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ace2 (NM_001012006) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ace2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN214151 representing NM_001012006
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAAGCTCCTGCTGGCTCCTTCTCAGCCTTGTGCTGTTGCTACTGCTCAGTCCCTCATCGAGGAAA
 AGGCCGAGAGCTTTTAAACAAGTTTAAACCAGGAAGCTGAAGACCTGTCTTATCAAAGTTCACTTGCTTC
 TTGGAATTACAACACCAACATTACGGAGGAGAATGCCAAAAGATGAACGAGGCTGCGGCCAAATGGTCT
 GCCTTTTATGAAGAACAGTCCAAGATCGCCAAAATTTCTCACTACAAGAAATTCAGAATGCGACCATCA
 AGCGTCAACTGAAGGCCCTTCAGCAGAGCGGTCTTCAGCGCTGTACCAGACAAGAACAACAGTTGAA
 CACAATTTCAAACACCATGAGCACCATTACAGTACTGAAAAAGTTTGCAACTCAATGAATCCACAAGAA
 TGTTTTTACTTGAACCAGGATTGGACGAAATAATGGCAACAAGCACAGACTACAATCGTAGGCTCTGGG
 CTTGGGAGGGCTGGAGGGCTGAGGTGCGCAAGCAGCTGAGGCCGTTATATGAAGAGTATGTGGTCTGAA
 AAATGAGATGGCAAGAGCAAACAATTATGAAGACTATGGGGATTATTGGCGAGGGGATTATGAAGCAGAG
 GGAGTAGAAGGTTACAACATAACCGAAACCAGTTGATCGAAGACGTAGAAAATACCTTCAAAGAGATCA
 AACCGTTGATAGCAACTTCATGCCTATGTGAGAACGAAGTTGATGGAAGTGTACCCCTTCTACATCAG
 CCCTACTGGATGCCTCCCTGCTCATTGCTTGGTGATATGTGGGGTAGGTTTTGGACAAATCTGTACCCT
 TTGACTACTCCCTTCTCAGAAACCAACATAGATGTTACTGATGCAATGGTGAATCAGAGCTGGGATG
 CAGAAAGAATATTTAAGAGGCAGAGAAGTTCTTCGTTTCTGTTGGCCTTCTCAAATGACTCCGGGATT
 CTGGACAACTCCATGCTGACTGAGCCAGGAGTAGCCGAAAGTTGTCTGCCACCCACAGCTTGGGAT
 CTGGGACATGGAGACTTCAGAATCAAGATGTGCACAAAGTCAATGGACAACCTTCTGACAGCCCATC
 ATGAGATGGGACACATCCAATATGACATGGCATATGCCAAGCAACCTTCTGCTAAGAAACGGAGCCAA
 TGAAGGGTCCATGAAGCCGTTGGAGAAATCATGTCACCTTCTGCAGCTACCCCAACATTTGAAATCT
 ATTGGTCTTCTGCCATCCAATTTTCAAGAAGACAATGAAACAGAAATAAACTTCTACTCAAACAGGCAT
 TGACAATTGTTGGAACGCTGCCATTTACTTACATGTTAGAGAAGTGGAGGTGGATGGTCTTTCAGGATAA
 AATTTCCAGAGAACAGTGGACCAAAAAGTGGTGGGAGATGAAGCGGGAGATCGTTGGTGTGGTGGAGCCT
 CTGCCTCATGATGAAACATACTGTGACCCTGCATCTCTGTTCCATGTCTAATGATTACTCATTATTTC
 GATATTACACAAGGACATTTATCAATTCAGTTTCAAGAAGCTCTTTGTCAAGCAGCTAAACATGATGG
 CCCACTACACAAATGTGACATCTCAAATCCACTGAAGCTGGGCAGAAGTTGCTCAATATGCTGAGTCTT
 GGAACACTCAGGGCCCTGGACCCTAGCCTTGAAAAATGTGGTAGGATCAAGGAATATGGATGTAACCCAC
 TGCTCAATTACTTCCAACCATGTTTGTCTGGCTGAAAGAGCAGAACAGGAATTCGACTGTGGGGTGGAG
 CACTGACTGGAGCCCATATGCCGACCAAAGCATTAAAGTGAGGATAAGCCTAAAAATCAGCTCTTGGGAAA
 AATGCGTATGAATGGACCGACAACGAAATGTACCTATTCCGATCATCTGTTGCCTATGCCATGAGAGAGT
 ATTTTTCAAGGAAAAGAACCAGACAGTTCCCTTTGGGGAGGCAGACGTATGGGTGAGTGATTTGAAACC
 AAGAGTCTCCTTCAACTTCTTGTCACTTACCCAAAAATGTGTCTGACATATCCAGAAGTGAAGTT
 GAAGAGCCATCAGGATGTCTCGGGCCGATCAATGATATTTTTGGTCTGAATGATAACAGCCTGGAGT
 TTCTGGGGATCTACCAACACTTAAGCCACCTTACGAGCCTCTGTACCATATGGCTGATTATTTTTGG
 TGTCGTGATGGGAACGGTAGTGGTTGGCATTGTTATCCTGATCGTCACTGGGATCAAAGGTCGAAAGAAG
 AAAAAATGAAACAAAAAGAGAAGAGAATCCTTATGACTCCATGGACATTGGCAAAGGAGAAAGTACGCAG
 GATTCCAAAACAGTGATGATGCTCAAACCTCATTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001012006
Insert Size: 2418 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:	<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_001012006.1</u> , <u>NP_001012006.1</u>
RefSeq Size:	2418 bp
RefSeq ORF:	2418 bp
Locus ID:	302668
UniProt ID:	<u>Q5EGZ1</u>
Cytogenetics:	Xq14
Gene Summary:	enzyme peptidyl-dipeptidase; mouse homolog has a role in regulation of cardiac contractility and regulating Angiotensin 1 and 2 levels [RGD, Feb 2006]