

## Product datasheet for **MR231026**

### **Ace3 (NM\_001101453) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ace3 (NM_001101453) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ace3
Synonyms:	EG217246
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR231026 representing NM\_001101453  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACCTGCCCCTGGCCTTGCTACTTGTGCTCCTCTCACCGCAACTCTTGCCATGGCTCAGGACTG  
 TGGGAGAGACAAGCTTAAATGATTTCTACAGCGAGGCTCAGGCTAAGTTGTTCTGCAGTTTATGAGCA  
 AACAGCCAGGTCGTGTTGAATGAGTTTATGGAAGCCACTTGAACTACGTCACCAACATACCAAGCAG  
 AATCAAAAGAACATGCTGCAGAAGGAGCGGACAGGTCTCAGTTTATGTTATACTTCAGCACCCGGGCC  
 GCATGTTTAGGACAGACATTTCTGAACCAGGACGTGAAGCGCATGCTGAGGAAGCTGCAGAACATAGA  
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 AACCGAGCTGAGGTGTGCTGGATGAGGGTCCCTGCTTGACCCTAGAGCCTGACCTCCAAGAAATCATGG  
 CCACCTCCAGGGACCAGAAGGAGCTGCTGTGGCCTGGCAGGGCTGGCGGGATGCTGTTGGCCGACAAC  
 CCGCCCTGTCTTTGAGGACTACGTACGTCTCAGCAACAAGGCTGCCAATAATAATGGATACAAGACATG  
 GGGGCTTTATGGCGATCCAAGTATGAATCTGACACGCTGGAGGAAGACCTAGAGCAGCTCTATAAGGAGC  
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 CATTGACCTGAGGGGGCCATCCCTGCCACCTCCTGGGGAACATGTGGGCTCAGTCTTGGAAATATATC  
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 TGCTTTCTGGATAAAGTCTATGATGGAGAAGCCAGCTGACGGCGGGAAGTGGAGTGCCACACCTCATCC  
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 TTGCCCTGGAGAAGATTGCCCTTATCCCTTACGCTACCTGGTAGACAAGTTTCGTTGGAAGATCTTTGA  
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 CCTTGGCTGGCCAGACTTCAGCTGTTCTTTTGAAGAAAAAATACAAGCAAAGTATCGTTTTCTGGGCACA  
 GACACAGAGCCTGAGCAGGCGTACCTGGGGCAGTGGGTGTTGCTGAGCATGAGTTTTTTCATGTTGGTCC  
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 CTTCTGCTGGGCCTCTGCTGCATCCTTATGCTGTGCTGTATTGGCCTGCTCATTCCGATAGTCACGCAGA  
 ACACCGAGAACACTCCATGGATGAAAAATGAAGGGCAGAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR231026 representing NM\_001101453  
 Red=Cloning site Green=Tags(s)

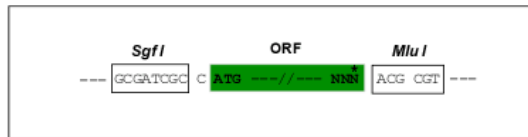
MNLPWALLLVLLSHRQLLPWLRTVGETSLNDFYSEAQAKLFLQFYEQTAQVVLNEFMEATWNYVTNITKQ  
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 GALWRSKYESDTLEEDLEQLYKELQPLYLNLHAYVRRSLYRYGPELIDLRGPIPAHLLGNMWAQSWNNI  
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 WNFYKFNDFRVKCKTEVTLEDLLSVFHQMGIQYFLQYQNLVSVIYQEGASPAFEEAVGSVIALSVSSHKY  
 LLARGLLSQPHQDSEEEVNFLLGIALEKIAFIPFSYLVDKFRWKIFDGTISKITYNQEWNNFRLKYQGLC  
 PPVPRDDDFDPGAKFHIPANVPYIRYFLGLILQFQLHEALCEASGHVGPLHQCDNYSKIVAGKILGDLL  
 KLGSSRPWREVLQEVTEGSENIKTAFLTYFKPLMDWLVTEVVKQGDTLGWPDFSCSFEEEKITSKVSFLGT  
 DTEPEQAYLGQWVLLSMSFFMLVLILALGFRLHYLEKQLLDEDTMILKTLPSYFLGIAMEPHQAARKQW  
 LLLGLCCILMLCCIGLLIRIVTQNTENTPWMKNEGQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001101453

**ORF Size:** 2211 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\\_001101453.3](#)

**RefSeq Size:** 2214 bp

**RefSeq ORF:** 2214 bp

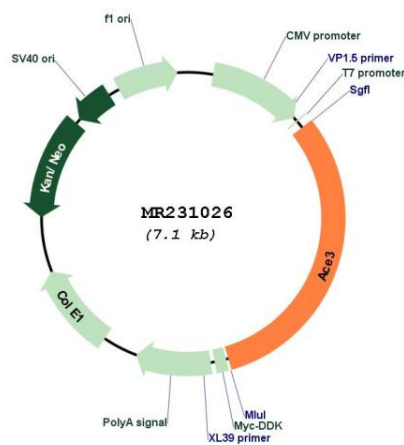
**Locus ID:** 217246

**UniProt ID:** [D0G895](#)

**Cytogenetics:** 11 E1

**MW:** 86.3 kDa

**Product images:**



Circular map for MR231026