

## Product datasheet for **MC222329**

### **Etaa1 (NM\_026576) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Etaa1 (NM_026576) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Etaa1
Synonyms:	5730466H23Rik; AA672646
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222329 representing NM\_026576  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCAGCTGAAGGACGGTGGCACGGGAATGAGTCGGCGAAGGAAGCATGCGGACAGCCCTGCCCGGAGGA  
 GCACGCCGCACAGGGCGCTGCTAAGAAGTCCCGCCCGGCGGCAGAGCCGTGGCTGCGGGAGTCCAGGGC  
 GGCTGCAGCTCCAGCTCCGCCGGGCGGGAACCGGTCTGCGCGCGGGCGCAGCGGCAGCGCGCT  
 GACGGCGGGCGCAGTCCCGGGGAAAGGAGACGCCAGTACAAATCGTGAAAATGGATTTATTATCCTGTA  
 CCTTCAGTTCTCAAATGATCCAGATGGACAACTGATATCTTCTGGGATCAAAATCTCCAATGACAAA  
 GCAGTTAGGTAAGGAAGAAAAAGCAGATTTCCAGTGCATACAGTATGAGATTTACATATTGTTAAC  
 CGTATTGCTCCTCAGGACGAGAAACCAGTGACAAATCCATGCTGGGAGTATGGATTGGTAAACTGCTA  
 TTCCTGTACTCCTGGCGTAGCAAAAGAGAAGTCAAGAGTAAAAGCCAGCTGCACAAAATAAAAACAAA  
 AAATCGAGAAAAAGAACTTATGAAATGGCCCAACAGTTTGATAAAAATATGGAAGAACTTGATGTGATC  
 CAAGAGCAAGATGGGAAGATCATGATTTTATCCAGATGACTTCAAAAATGGGACATTTAGATAACCATA  
 AAGATTCTGTGCAGAAGCCGTACAGTGTAGTTCCTGAAATCACTTGTACTCCTGTGAAGAAGCAAAAT  
 GAAAGGAGACAGTAGAATATCCTTGCAAAAGGCACAAGACAGCAGTACAGAAACCCCTTGACCAAAATGTT  
 GAAGCAGCCTTTAATGCTATATTTGATGGTTCCACTCAGATGTGTAGTGGACAGCTAAGCCAAGATCTGT  
 TAGATGCTTTTTTGAACAATAGTAAAATTCCTTGAGAAAAGAAAATGCCTTACTACAAGAGGAAATAAT  
 TACTACTGAACTTTGCTCACTGAAAACCTGCTAAATAAACTCCAATATCACTTTCCCTCAAATAGAT  
 ACTACCGTAATACTAACTCATGTGTGACTCCCTGTCTAAGACACCAGCAGCACCTGATACACAGCTTG  
 ATGAGTTGACCGCTAATGATTTTGAGGATGATGGGAAAGCTTACTAGGCAGTGAACCTTCCTTATGGA  
 AAATGCTGAAATGCTTGAATTCGTTCTTCTACAACCTGCCAAGATACTTGTGAGAAGGCAATTTGTACC  
 TCAGTTGGTGAATGATACAATCACATCAAGAACAATATGAATCTAGGTGGAAGGTTAAGAGATTCAA  
 AAGTAACACTGGATCTTCCCTCAAAGACACGAAACGGAGAGCTAAGAAATGCTGGAGAACATAGGTTTTT  
 ATCACATCCAGGTGATGAATCAAGGAAGGTACCATTACAGGAAATAAAGTGAAGTTTGGAGAAATCTGTC  
 ACTAGCATAGTTAGTAAAGATGAAGATTATGTTGCTGTCTAATCTTGAAGAAAGTGAAGAAAGATAGTC  
 GCAATAAGTGCATACTTAATAAACATTCCTCTAACAAGTCTAGTTCGTACACAAGGTATCCTAGTAAACA  
 AAGTTCCGAGCTTGGTGTAAATCTGCCTTTGCAAGTACCCACTACTGATCCATTTGATTCTGTGTTCTTG  
 GGCAAAGAAAATATTGTGTGTAGCACAAATCAGTCTCATGGATCAAAGTTGAATTCCTTTGACGACT  
 GGAATGATCCGCTGTTGGCCAGTGAAATGGTTGAAGCATGCCATCGGTTAGAGGCTACCTGGGACGCAGG  
 CGAGGTAGATGATGATTTGTTCTGTGAGCTTGTGATGACATTGAAAGACTAACTCAGCAAGAAAACAAG  
 GGCAGCGAGGAGTCAAGAGTGAAGTTACTTCCACTCGTGGGTCCAGAAAGTACTCTACTGCATCTA  
 AACAAAGCAAGCCAGTCCGGCCATCTAAACATTGGAATGTTGTCAGCTCTGCAGTGCCATTTGCTTTAGC  
 AAATAAATCACAGATGAGTAAGCCAGTGACAGTACAGAAAAGAGGCGAGATGTGGAGATGGGCCAAATATT  
 TTGGATGCTACAAATTTGTCTGTGTGTTCTAAGAATCAAGTGAATAAAGCGTGGACCAGTACAAGTGA  
 ATAGCTCAAAATTTGTTCTTGGAGGAAGTCAAATTTGAATGTAATTTAGGTCTTATGAGCACAAAAAT  
 TGCTACTAATATGAAGTTGAGTACTCAGCAGCTATCCACAACAGCTTAGCAGATACAGCTCAGAATGAC  
 AACAAAACTGAAGTTACCAAAATTCACATTTAAGAAGAAAAATCCTCAGTTAAATCAAAATCATCTAG  
 TGGGAAGTGTGCCTGTTGGCAAAATCTCAGAGGATTTAGGAAAAAGGAAACTGTCAATTCATTGCTTGA  
 AGCTAATCAGCAGCAATCTTCAATAAACTATTCTGAGTCTTTGAAACCATCTTCCCAGATGAAGAAGAG  
 AGAAATAGGAAGTATTCTCCTGAAGAAATTCACGAAAAAGGCAGGAAGCACTGGTTGCAAGAAAGGCCA  
 AAGCTTTGCATACTGTGCAGTCACTCCATTTCACTGCCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_026576  
**Insert Size:** 2634 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_026576.3</a> , <a href="#">NP_080852.2</a>
<b>RefSeq Size:</b>	4192 bp
<b>RefSeq ORF:</b>	2634 bp
<b>Locus ID:</b>	68145
<b>UniProt ID:</b>	<a href="#">Q5SVT3</a>
<b>Cytogenetics:</b>	11 A3.1
<b>Gene Summary:</b>	Replication stress response protein that accumulates at DNA damage sites and promotes replication fork progression and integrity. Recruited to stalled replication forks via interaction with the RPA complex and directly stimulates ATR kinase activity independently of TOPBP1. Probably only regulates a subset of ATR targets.[UniProtKB/Swiss-Prot Function]