

## Product datasheet for **MG208161**

### **Edc3 (NM\_153799) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Edc3 (NM_153799) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Edc3
Synonyms:	AA517853; Lsm16; Yjdc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG208161 representing NM\_153799  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTATGGATTGGCTAGGCAGTATTGTGTCCATCAACTGTGGAGATAGCCTGGGCGTCTACCAGGGAA  
 GAGTATACAGCAGTGGATCAGGTCAGCCAGACCATTCTCTTACTCGGCCCTCCACAATGGGGTGAAGTG  
 TCTTGTACCAGAAGTCACTTTTCGGGCAGGTGATATTACAGAATTAATAATTTGGAGATACCAGGTCTT  
 GGAGACAACCAGCAGGTTGGAGACCTTCATCAGACAGAATTAGGCCCTTCTGGTGTGGGTACCAATGA  
 GTATCAGTCAGAATGGAACAGGCAAGGTGGTCAAGAAGCCAGCCTCTCCAGTAGTGGCCCTCAGAGCAT  
 CCCTAAGAGGACAGATGTGAAGAGCCAGGATGTTGCCATTTCTCCTCAGCAGCAGCAGTGTCAAAGAGT  
 TATGTGGACAGGCACATGGAATCTTTGAGTCAGTCCAAAAGCTCCGTCGTCGGCACAACCTCTGGTCAT  
 CTAGTAGCAGGCCACCAACCAGGCAACTCCAAGAAAAGTGGTTTAAAAATGGCCAGATGAAGAATAA  
 AGATGACGAGTGTCTTTGGAGACGATATCGAGGAGCTCCAGACACGGACTTTGACTTTGAGGGGAACCTG  
 GCCTGTTTGACAAGGCGCTGTGTTTGGAGAGATCGACACTTACGAGAGGAGAAGTGGCTCCCGTTCTC  
 GGGGTGTCCCAAATGAACGTCCTGCTAGGTACCGCCATGATGAAAACATCCTGGAATCGGAGCCGATTGT  
 GTACCGTAGGATCACAGTACCACACAGCGTGAGCAAGGAGTTCTGCACGGACTCTGGCCTGGTAGTCCCA  
 AGTGTTCCTATGAGCTACATAAAAAGCTGTTGTCTGTGGCTGAGAAGCATGGGCTGACCTTAGAGCGGA  
 GACTTGAGATGACTGGTGTGTGTGCCAGTCAGATGGCGCTGACTCTCCTTGAGGACCCAACAGGTTGAA  
 TCCTAAGAATGTCCACCAGAGGCCACAGTAGCTCTCTTGTGCGGCCCATGTGAAGGGGGCTCAGGGC  
 ATCAGTTGTGGGAGCCACTCGCCAACCATGATGTGCAAGTATCCTCTCTCCTGCCCAACTTTGTCAAGA  
 TGCTGGAGTCTATTACCAACGAGCTGTCTCTTTCAGCAAGCCAAAGGGCAGCAAGTGTAGCCTAAG  
 AGATCTCCCTGCTAGCCCTGTGGACCTGGTTATCAACTGCCTGGATTGTCCTGAGAATGCCTTCTGCGG  
 GATCAGCCCTGGTACAAGGCAGCTGTGGCTGGGCCAACCAGAACCAGGACCAAGTGTCTCAGCATAGACC  
 CTCTGTGCATGAAGTTGAACAGGGCATTGATGCCAAATGGTCCCTGGCACTGGGCTGCCTCTGCCACT  
 CGGGGAGCAGCAGGCCGAGTCTATTTGTGTGACATTGGCATTCCCAGCAAGTCTTCCAGGAGTTGGC  
 ATCAACTACCATTACCTTTTGGCTGCAAATTTGTCATTCCCCTACACTCTGCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208161 representing NM\_153799  
 Red=Cloning site Green=Tags(s)

MAMDWLGSIVSINCGDSLGVYQGRVSAVDQVSQTISLTRPFHNGVKLVPEVTFRAGDITELKILEIPGP  
 GDNQQVGDLDHQTELGPSTVGVYQMSISQNGTGKVVKKPASSSSAPQSIPKRTDVKSQDVAISPQQQCSKS  
 YVDRHMESLSQSKSFRRRHNSWSSSRHPNQATPKKSGLKNQMKNDDECFGDDIEELPDTDFDFEGNL  
 ALFDKAAVFEEIDTYERRSGSRSRGVPNERPARYRHDENILESEPIVYRRITVPHSVSKEFCTDSGLVVP  
 SVSYELHKLLSVAEKHGLTLERRLEMTGVCASQMALTLGGPNRLNPKNVHQRPTVALLCGPHVKAQGG  
 ISCGRHLANHDVQVILFLPNFVKMLESITNELSLFSKTQGGQVSSLRDLPAVVDLVINCLDCPENAFRL  
 DQPWYKAAVAVANQNRPVLSIDPPVHEVEQGIDAKWSLALGLPLPLGEHAGRVYLCDIGIPQVQVEVG  
 INYHSPFGCKFVIPLHSA

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



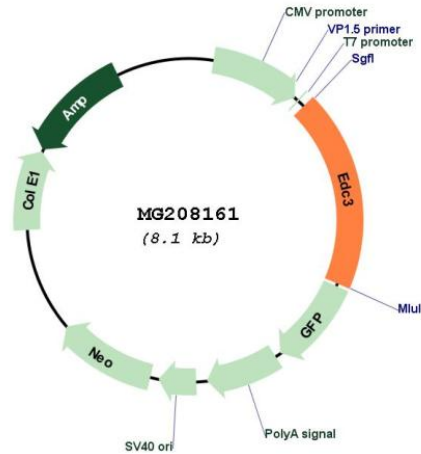
```

                                     Kozac
                                     Consensus
          EcoRI      BamHI KpnI      RBS      SgfI      AscI
CTATAGGGCGGCGCGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGGCCAGATCT

          HindIII      NheI RsrII      MluI      NotI      XhoI      GFP Tag
CAAGCTTAAGTACTAGCTAGCGGACCG      ACG CGT      ACG CGG      CTC GAG      ATG GAG AGC GAC --- ---
                                         T   R   T   R   P   L   E      M   E   S   D   -   -   -

          PmeI      FseI
--- --- GAA GAA AGA GTT TAA ACGGCCGGCCCGGAGCT
- - - E E R V Stop
  
```

## Plasmid Map:



ACCN: NM\_153799

ORF Size: 1524 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\\_153799.3](#), [NP\\_722494.1](#)

**RefSeq Size:** 3391 bp

**RefSeq ORF:** 1527 bp

**Locus ID:** 353190

**UniProt ID:** [Q8K2D3](#)

**Cytogenetics:** 9 B

**Gene Summary:** Binds single-stranded RNA. Involved in the process of mRNA degradation and in the positive regulation of mRNA decapping (By similarity).[UniProtKB/Swiss-Prot Function]