

Product datasheet for **MG211958**

Edc4 (NM_181594) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Edc4 (NM_181594) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Edc4
Synonyms:	BC022641
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211958 representing NM_181594 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGGCCTCTGCGGAGCATCGACATTGAGGACGCCACGCAGCATCTGCGGGACATACTCAAACCTGGACC
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Protein Sequence: >MG211958 representing NM_181594
 Red=Cloning site Green=Tags(s)

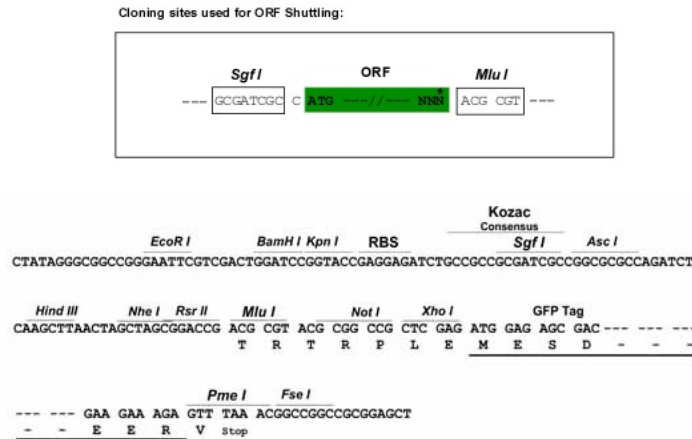
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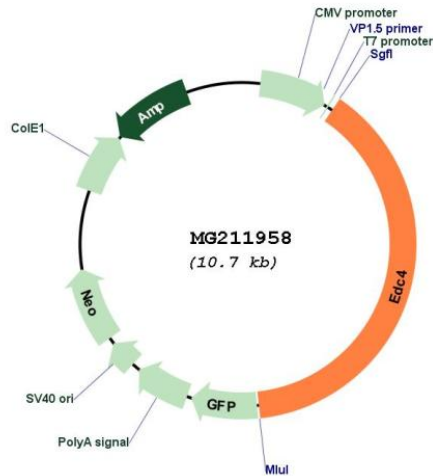
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_181594

ORF Size: 4752 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_181594.3](#), [NP_853625.1](#)

RefSeq Size: 4663 bp

RefSeq ORF: 4173 bp

Locus ID: 234699

UniProt ID: [Q3UJB9](#)

Cytogenetics: 8 D3

Gene Summary: The protein encoded by this gene is thought to promote mRNA decay, and is known to interact with several mRNA decapping proteins. In humans, decreased expression of this gene prevents the accumulation of mRNA decapping proteins to mRNA processing bodies (P-body). Alternative splicing results in multiple protein isoforms. [provided by RefSeq, Jul 2014]