

Product datasheet for **MG204568**

Eci3 (NM_026947) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eci3 (NM_026947) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Eci3
Synonyms:	1810022C23Rik; Kseg2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204568 representing NM_026947 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTAAGCCTGGTGTGTTAACTTTGTCAACAAAGCCACGTGGGATGCAAGAAATGCCCTGGGCAGCC
TACCCAAGGAACTGCCAGGAAGAACTATGTGGATCTCGTATCCAGTTTGAGTTCCTCATCTGAAGCCCC
GAGCCAGGAAAGCGTGGAGCTGATGAGAAAGCCGGGAGTCAAAGACATCCTGGTAACTTCTGAAGAT
GGCATCACAAGATCACGTTCAATCGGCCACCAAAAAGAATGCCATATCCTCCAGATGTATCTGGATA
TTATGCATGCACTAAAAATGCCAGCACGGATAACTCAGTCATAACTGTTTTACAGGAAGTGGTGACTA
CTACAGCAGTGGGAATGACCTAAAAAATTGATTAATGACGCTGGTAAAATACAGGACGTAGTAGCCACG
TCTACTAAGATACTGAGGGAATTTGTAAGTGTATAGACTTTCCGAAGCCTCTGGTTGCAGTAGTAA
ATGGCCCAGCTGTGGGAATCGCTGTCCACATCCTGGCACTATTTGATGCTGTCTTTGCTTCGGACAGGGC
AACGTTTCATACTCCATTCAGCCAACCTCAGCCAGATCCCAGGAGCATGCTCCACATACATGTTTCCAAAG
ATAATGGGCCCAACAAAGGCAGCTGAGATGCTTCTCTTTGGGAAGAAGCTCACAGCAAGAGAGGCCCTGGG
CTCAAGGCCTTGTCACTGAAGTTTTCCCTGAGAGCACTTTTGAGACAGAAGTCTGGACCAGGCTGAAAAC
ATATTCGAAGCTCTGCCAAACGTGATGAGAATTTCCAAGAGTTAATCAGAAAACATGAGAAAACAAAAG
CTATACACCGTGAATGCCGAAGAGTGCCTGCAGCCCTGGAAGGATGCCGAGAGAGGAGTATGCCAAGG
CACTCAGGAACCTCCTGTTTCAGAAAGGCAAAGGCTAAGCTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204568 representing NM_026947
 Red=Cloning site Green=Tags(s)

MPKPGVFNFNKATWDARNALGSLPKETARKNYVDLVSSLSSSSSEAPSQGKRGADKARESKDILVTSED
 GITKITFNRPTKKNNAISFQMYLDIMHALKNASTDNSVITVFTGTGDYSSGNLKNLINDAGEIQDVVAT
 STKILREFVNCFIDFPKPLVAVVNGPAVGIAVTILALFDAVFASDRATFHPTFSQLSQIPEACSTYMFPK
 IMGPTKAAEMLLF GKKL TAREAWAQLVTEVFPSTFETE VTR LKTYSKLSPNVMRISKELIRKHEKQK
 LYT VNAEECAAALERPREEYAKALRNFLFRKAKAKL

TRTRPLE - GFP Tag - V

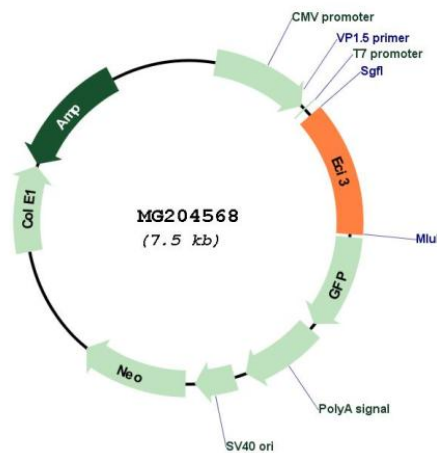
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_026947

ORF Size: 951 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:	<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:	NM_026947.4
RefSeq Size:	1347 bp
RefSeq ORF:	954 bp
Locus ID:	69123
UniProt ID:	Q78JN3
Cytogenetics:	13 A3.3
Gene Summary:	Catalyzes the isomerization of trans-3-nonenoyl-CoA into trans-2-nonenoyl-CoA (PubMed:24344334). May also have activity towards other enoyl-CoA species (Probable). [UniProtKB/Swiss-Prot Function]