

Product datasheet for **MG207851**

Onecut3 (NM_139226) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Onecut3 (NM_139226) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Onecut3
Synonyms:	OC-3; Oc3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207851 representing NM_139226
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGTTGAGCTTGAGAGCCTCGGGGGCTGCACGGGTGACACACGCGCAAGCCGGCGAGCTGCTGA
 GCCCGGGCCACGCGCGCTCCGCCGCGGCCAACACCGAAGCCTAGTGGCATCGGGGCGCCAGGCCCTGGT
 GGCCGGCATGGCTAGCCTGCTGGACGGTGGTGGCGCCGGGGCGGGGGCGCCGGGGCGCGGGGGTGA
 GGGGCCGCGGGTGGTGGCCCTGACTTCCGTGGGAGCTGGCTGGCCCCCTGCACCCGGCCATGGGTATGG
 CGTGCGAGGCCAGGTTGGGTGGCACCTACACCACGCTCACGCCCTTGACGACCTGCCGCCGCTGGC
 CGCCGTGGCCGATAAGTTCACCAGCACGCGGTGGCTGGGGCGCACGGAGGCCATCCACACGCTCACCT
 CACCCGGCCACCGCGCCACC GCCCCCTCCGACGCGCTGGCGCCAGCGTGAGCGGCAGCTTACCC
 TCATGCGCAGCAGCGGGCGCGCTGGCCTCGTGGGCCACCTACGGGCTTATGGCAAGGAGCTGCC
 CACCATGGGGTCGCCACTGTCGCCGCTGCCAGCGCGCTGCCCCCGCTTGACACAGCGCCCGCAGCCG
 CGCCCGCCACCGCTCGCCGCTTACGGGGCTCCGGGCCACCTGGCCGGGGACAACTACTGCCACCTG
 CCGCCTTCGAGCCACACGCGCGCTTCTGGGGCGCGCAGAGGACGCGCTGGCCCGAGGGTGCCTGGAGG
 CGCGGGCGCGGGGAGGCGCGGGGGCGCCGGGGCGCGGGGCGCGGGTGGTGGCTCCGCTGGGCGGG
 CTGGCTGCGGCCGGGGCGCACGGCCCTACTCAGCGCGCGTGGCCCCGAGGGGGCGGTGGCGCTGGCG
 GCGGCAGCGGGCGCCGGGAGCCGGCGCTGCAGCCGAAGAGATCAACACCAAAGAGTGGCCAGCGCAT
 CACCGCCGAGCTGAAGCGCTACAGCATCCCGCAGGCCATCTTCGCGCAGCGCATCCTGTGCCGCTCGCAG
 GGCAGCTCTCCGACCTGCTGCGCAACCCGAAGCCCTGGAGCAAGCTCAAATCCGGCCCGCAGACCTTCC
 CAGGATGTGGAAGTGGCTGCAGGAGCCGGAGTCCAGCGCATGTCGGGCTGCGCCTGGCAGCCTGCAA
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 CTGCAGCGCCGACGCTGATTGCCATCTTCAAGGAGAACAAGCGCCGCTCAAGGAGATGAAGCCACCA
 TCTCGCAGCAGCTGGCCTGGAGCTCAACTGTGAGCAACTTCTTATGAACGCCCGCTCGCCGCTGCAT
 GAACCGCTGGGCTGAGGAGCCGGGTGCCACCCCTGGCACCGGGACAGCTACTGCCACCTTCTCAAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207851 representing NM_139226
 Red=Cloning site Green=Tags(s)

MELSLESGLGHVTHAQAGELLSPGHARSAAQHRSLVASGRPGLVAGMASLLDGGGAGGGGAGGAGAA
 GAAGGGPDFRGLAGPLHPAMGMACEAPGLGGTYTTLTPLQHLPLAAVADKFKHQHAVAGAHGGHPHAHP
 HPATAPPPPPQRLAASVSGSFTLMRDERAALASVGHLYGPHYKELPTMGSPLSPLPSALPPALHSAPQP
 PPPPLAAYGAPGHLAGDKLLPPAAFEPHAALLGRAEDALARGLPGGGGGAGGGGAAGGAAAGLLAPLGG
 LAAAGAHGPHSGGGPGGGGAGGGSGPGAGAAAEINTKEVAQRITAEKRYSHIPQAIQAQRILCRSQ
 GTLSDLLRNPKPWSKLSGRETFRRMWKWLQEPEFQRMSALRLAACKRKEQDQKERALQPKKQRLVFTD
 LQRRTLIAIFKENKRPSKEMQATISQQLGLELNTVSNFFMNARRRCMNRWAEPEGATPGTGTATATFSKA

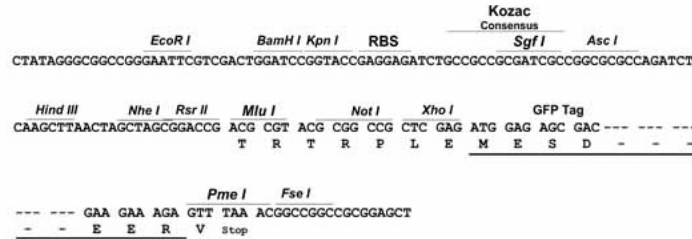
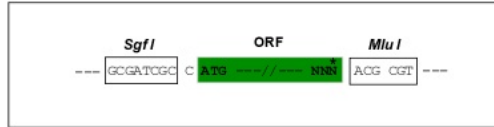
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:


ACCN: NM_139226

ORF Size: 1470 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_139226.3](#), [NP_631972.2](#)
RefSeq Size: 4705 bp

RefSeq ORF: 1473 bp

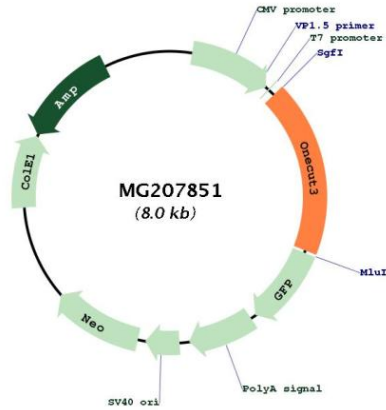
Locus ID: 246086

UniProt ID: [Q8K557](#)

Cytogenetics: 10 C1

Gene Summary: Transcriptional activator. Binds the consensus DNA sequence 5'-DHWATTGAYTWWD-3' on a variety of gene promoters such as those of HNF3B and TTR.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207851