

Product datasheet for **MR207851**

Onecut3 (NM_139226) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Onecut3 (NM_139226) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Onecut3 |
| Synonyms: | OC-3; Oc3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MR207851 representing NM_139226
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAGTTGAGCTTGAGAGCCTCGGGGGCTGCACGGGTGACACACGCGCAAGCCGGCGAGCTGCTGA
 GCCCGGGCCACGCGCGCTCCGCCGCGGCCAACACCGAAGCCTAGTGGCATCGGGGCGCCAGGCCTGGT
 GGCCGGCATGGCTAGCCTGCTGGACGGTGGTGGCGCCGGGGGCGGGGGCGCCGGGGGCGGGGGTGA
 GGGGCCGCGGGTGGTGGCCCTGACTTCCGTGGGAGCTGGCTGGCCCCCTGCACCCGGCCATGGGTATGG
 CGTGCGAGGCCAGGTTGGGTGGCACCTACACCACGCTCACGCCCTTGACGACCTGCCGCCGCTGGC
 CGCCGTGGCCGATAAGTTCACCAGCACGCGGTGGCTGGGGCGCACGGAGGCCATCCACACGCTCACCT
 CACCCGGCCACCGCGCCGCCACCCCCCTCCGACGCGCTGGCGCCAGCGTGAGCGGCAGCTTACCC
 TCATGCGCAGCAGCGGGCGCGCTGGCCTCGTGGGCCACCTACGGGCTTATGGCAAGGAGCTGCC
 CACCATGGGGTCGCCACTGTCGCCGCTGCCAGCGCGCTGCCCCCGCTTGCACAGCGCCCGCAGCCG
 CGCCCGCCGACCGCTCGCCGCTTACGGGGCTCCGGGCCACCTGGCCGGGGACAACTACTGCCACCTG
 CCGCCTTCGAGCCACACGCGCGCTTCTGGGGCGCGCAGAGGACGCGCTGGCCCGAGGGTGCCTGGAGG
 CGCGGGCGCGCGGGAGGCGCGGGGCGCCGGCGGGGCGCCGCGGGTGTGGTCCGCTGGGCGGG
 CTGGTGCGGCCGGGCGCACGGCCCTACTCAGGCGCGGTGGCCCCGAGGGGGCGGTGGCGTGGCG
 GCGGCAGCGGGCGCCGGGAGCCGGCGCTGCAGCCGAAGAGATCAACACCAAAGAGTGGCCAGCGCAT
 CACCGCCGAGCTGAAGCGCTACAGCATCCCGCAGGCCATCTTCGCGCAGCGCATCCTGTGCCGCTCGCAG
 GGCAGCTCTCCGACCTGCTGCGCAACCCGAAGCCCTGGAGCAAGCTCAAATCCGGCCCGCAGACCTCC
 CGAGTGTGGAAGTGGCTGCAGGAGCCGAGTCCAGCGCATGTGGCGCTGCGCTGGCAGCTGCAA
 GCGTAAAGAGCAGGATCAGCAGAAGGAGAGGGCTCTGCAGCCGAAGAAGCAACGCCTCGTGTTACAGAG
 CTGACAGCGCCGACGCTGATTGCCATCTCAAGGAGAACAAGCGCCGCTCAAGGAGATGAAGCCACCA
 TCTCGCAGCAGCTGGCCTGGAGCTCAACTGTGAGCAACTTCTTATGAACGCCCGCTCGCCGCTGCAT
 GAACCGCTGGGCTGAGGAGCCGGTGCCACCCCTGGCACCGGGACAGCTACTGCCACCTTCTCAAGGCC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGTTTAA

Protein Sequence:

>MR207851 representing NM_139226
 Red=Cloning site Green=Tags(s)

MEL SLES LGGLHGVTHAQAGELLSPGHARSAAAQHRSLVASGRPGLVAGMASLLDGGGAGGGGAGGAGAA
 GAAGGGPDFRGLAGPLHPAMGMACEAPLGGTYTTLTPLQHLPLAAVADKFHQHAVAGAHGGHPHAHP
 HPATAPPPPPQRLAASVSGSFTLMRDERAALASVGHLYGYPYKELPTMGSPLSPLPSALPPALHSAPQP
 PPPPPLAAYGAPGHLAGDKLLPPAAFEPHAALLGRAEDALARGLPGGGGAGGGGAAGGAAAGLLAPLGG
 LAAAGAHGPHSGGGPGGGGAGGGSGPGAGAAEEINTKEVAQRITAEIKRYSIPQAIQIRILCRSQ
 GTLSDLLRNPKPWSKLSGRETFRRMWKWLQEPEFQRMSALRLAACKRKEQDQKERALQPKKQRLVFTD
 LQRRTLIAIFKENKRPSKEMQATISQQLGLELNTVSNFFMNARRRCMNRWAEPEGATPGTGTATATFSKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9092_h04.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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

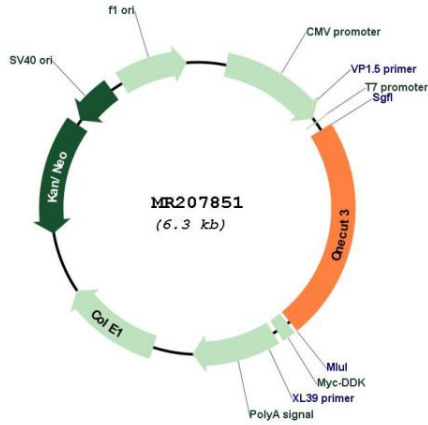
Locus ID: 246086

UniProt ID: [Q8K557](#)
Cytogenetics: 10 C1

MW: 49.6 kDa

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 MR207851