

Product datasheet for **MG227438**

Onecut2 (NM_194268) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Onecut2 (NM_194268) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Onecut2 |
| Synonyms: | C730009D12; OC-2; Oc2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG227438 representing NM_194268
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGCTGCCTACACCGCCTATCGATGCCTACCAAAGACCTAGAAGGCTGCGCCATGAACCCGGAGC
 TGACAATGGAAAGTCTGGGCACTTTGCACGGGCCGGTTCGGCGGCGGCAGCGGGGGGAGGGCGGGGG
 CGGAGGGGGCGGGGGCGGGGCCATGAGCAGGAGCTGCTGGCCAGCCCCAGCCCCACCGCG
 GGCCGGGTGCTGCCGGCTCGTGCAGCGCCCGCCGCGCAACCGCGCATCAGGAGCTGGGCACCGCAG
 CGGCGGGCAGCCGCGGCTCGCGCTCGGCCATGGTCACCAAGTATGGCCTCGATCTTGGACGGCAGCGA
 CTACCGACCAGAGCTCTCCATCCCCTACACCACGCCATGAGTATGTCCTGCGACTCGTCGCGCCAGGC
 ATGGGCATGAGCAACACCTACACTACGCTGACGCCGCTCCAGCCGCTGCCACCCATCTCTACGGTCTCAG
 ACAAGTCCACCACCCGACCCCTACCACCACCCTACCACCACCATACCACCACCATACCATCAGCG
 TCTGTCCGGCAAGTCAGTGGCAGTTCCTCTCATGCGGGACGAGCGGGGCTTCGGTCCATGAACAAC
 CTTTACAGCCCTTACAAGGAGATGCCTAGTATGAGCCAGAGCCTGTCTCCATTGGCTGCCAGCCGCTGG
 GCAACGGGCTGGGTGGCCTTACAATGCTCAGCAGAGCCTGCCAACTACGGTCCGCCGGGCCATGACAA
 AATGCTCAGCCCCAATTCGACGCGCACCACTGCCATGCTGACCCGCGGTGAGCAACACCTGTCCCGA
 GGCTGGGCACCCCGCTGCGGCCATGATGTCTCACCTCAATGGCTTACACCACCTGGCCACACTCAGT
 CCCACGGGCCAGTGTGGCTCCTAGCCGTGAGCGGCCCTTCGTCTCCTCGGGTCTCAGGTGGCCAC
 GTCCGGGCAGCTGGAAGAGATCAACACCAAGAGGTGGCCAGCGTATCACCGCCGAGCTGAAGCGCTAC
 AGCATCCCGCAGCGCATCTTCGCACAGAGGTTCTATGCCGCTCAGGGGACTCTCTCCGACCTGCTCC
 GGAATCCCAAACCTGGAGTAACTCAAATCTGGCAGGGAGACCTTCGCAGGATGGAAAGTGGCTGCA
 GGAGCCCGAGTTCAGCGCATGTCTGCCTACGCCTGGCAGCATGCAAACGCAAAGAGCAAGAACCAAAC
 AAAGACAGGAACAACTCGCAGAAGAAATCCCGCCTGGTGTTCACGGACCTCCAACGCCGAACACTCTTCG
 CCATCTTCAAGGAAAATAAGCGCCCTTCGAAGGAGATGCAGATCACCATTTCCAGCAACTTGGGCTGGA
 GCTGACCACTGTGAGTAACCTTCTCATGAATGCCCGGCGTCGCAGCCTGGAGAAATGGCAAGATGACCTA
 GGCACAGGGGTTCTTCATCCACCTCCAGCACTTGACCAAAGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

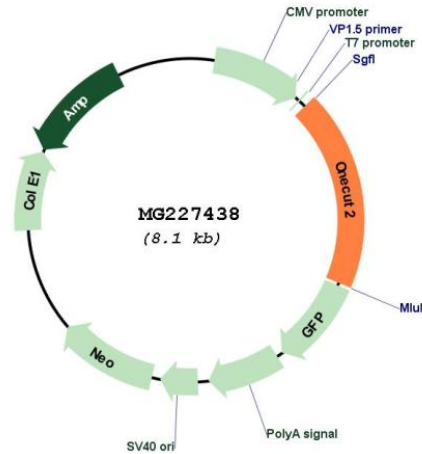
>MG227438 representing NM_194268
 Red=Cloning site Green=Tags(s)

MKAAYTAYRCLTKDLEGCAMNPELTMESLGLHGPVGGSGGGGGGGGGGGGGPHEQELLASPSPHHA
 GRGAAGSLRGGPPPTAHQELGTAASAAAAAASRSAMVTSMASILDGSDYRPELSIPLHHAMSMSCDSPPG
 MGMSNTYTTLTPLQPLPPISTVSDKFHHHPHHHHHHHHHHHHQRLSGNVSGSFTLNRDERGLPSMNN
 LYSPYKEMPSMSQSLSPLAATPLGNLGLHNAQQSLPNYGPPGHDKMLSPNFDAHHTAMLTRGEQHLR
 GLGTPPAAMMSHLNGLHHPGHTQSHGPVLA PSRERPPSSSSGSQVATSGQLEEINTKEVAQRITAEKRY
 SIPQAIFAQRVLCRSQGTLSDLLRNPKPWSKLSGRETFRRMWKWLQEPEFQRMSALRLAACKRKEQEPN
 KDRNNSQKKSRLVFTDLQRRTLFAIFKENKRPSKEMQITISQQLGLELTTVSNFFMNARRRSLEKWQDDL
 GTGGSSSTSSTCTKA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Plasmid Map:


ACCN: NM_194268

ORF Size: 1515 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_194268.2](#), [NP_919244.2](#)

RefSeq Size: 13407 bp

RefSeq ORF: 1518 bp

Locus ID: 225631

UniProt ID: [Q6XBJ3](#)

Cytogenetics: 18 E1

Gene Summary: Transcriptional activator. Activates the transcription of a number of liver genes such as HNF3B (By similarity).[UniProtKB/Swiss-Prot Function]