

Product datasheet for **MR227438**

Onecut2 (NM_194268) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Onecut2 (NM_194268) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Onecut2
Synonyms:	C730009D12; OC-2; Oc2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR227438 representing NM_194268
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGCTGCCTACACCGCCTATCGATGCCTACCAAAGACCTAGAAGGCTGCGCCATGAACCCGGAGC
 TGACAATGGAAAGTCTGGGCACTTTGCACGGGCCGGTTCGCGCGCGCAGCGGGGGGAGCGCGGGGG
 CGGAGGGGGCGGGGGCGGGGCCATGAGCAGGAGCTGCTGGCCAGCCCCAGCCCCACCGCG
 GGCCGCGGTGCTGCCGGCTCGTGCAGCGCCCGCCGCGCAACCGCGCATCAGGAGCTGGGCACCGCAG
 CGGCGGGCAGCCGCGGCTCGCGCTCGGCCATGGTACCAGTATGGCCTCGATCTTGGACGGCAGCGA
 CTACCGACCAGAGCTCTCCATCCCGCTACACCACGCCATGAGTATGTCCTGCGACTCGTCGCGCCAGGC
 ATGGGCATGAGCAACACCTACACTACGCTGACGCCGCTCCAGCCGCTGCCACCCATCTCTACGGTCTCAG
 ACAAGTCCACCACCCGACCCCTACCACCACCCTACCACCACCATACCACCACCATACCATCAGCG
 TCTGTCCGGCAAGTCAGTGGCAGTTCCTCTCATGCGGGACGAGCGCGGGCTTCGGTCCATGAACAAC
 CTTTACAGCCCTTACAAGGAGATGCCTAGTATGAGCCAGAGCCTGTCTCCATTGGCTGCCAGCCGCTGG
 GCAACGGGCTGGGTGGCCTTACAATGCTCAGCAGAGCCTGCCAACTACGGTCCGCCGGGCCATGACAA
 AATGCTCAGCCCCAATTCGACGCGCACCACTGCCATGCTGACCCGCGGTGAGCAACACCTGTCCCGA
 GGCTGGGCACCCCGCTGCGGCCATGATGTCTCACCTCAATGGCTTACACCACCTGGCCACACTCAGT
 CCCACGGGCCAGTGTGGCTCCTAGCCGTGAGCGGCCCTTCGTCTCCTCGGGTTCAGGTGGCCAC
 GTCCGGGCAGCTGGAAGAGATCAACACCAAGAGGTGGCCAGCGTATCACCGCCGAGCTGAAGCGCTAC
 AGCATCCCGCAGCGCATCTTCGCACAGAGGTTCTATGCCGTTTCAGGGACTCTCCGACCTGCTCC
 GGAATCCCAAACCTGGAGTAACTCAAATCTGGCAGGGAGACCTCCGCAGGATGTGGAAGTGGTCCA
 GGAGCCCGAGTTCAGCGCATGTCTGCCTTACGCCTGGCAGCATGCAAACGCAAAGAGCAAGAACCAAAC
 AAAGACAGGAACAACTCGCAGAAGAAATCCCGCCTGGTGTTCACGGACCTCCAACGCCGAACACTCTTCG
 CCATCTTCAAGGAAAATAAGCGCCCTTCAAGGAGATGCAGATCACCATTTCCAGCAACTTGGGCTGGA
 GCTGACCACTGTGAGTAATTCTTCAATGAATGCCCGCGCTCGCAGCCTGGAGAAATGGCAAGATGACCTA
 GGCACAGGGGTTCTTCATCCACCTCCAGCACTTGACCAAAGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227438 representing NM_194268
 Red=Cloning site Green=Tags(s)

MKAAYTAYRCLTKDLEGCAMNPELTMESLGLTHGPVGGSGGGGGGGGGGGGGPGHEQELLASPSPHHA
 GRGAAGSLRGPPTAHQELGTAASRAASRSAMVTSMASILDGSDYRPELSIPLHHAMSMSCDSPPG
 MGSNTYTTLPLQPLPISTVSDKFHHHPHHHHHHHHHHHHQRLSGNVSGSFTLMRDERGLPSMNN
 LYSPIKEMPSMSQSLSPLAATPLGNLGLHNAQSLPNYGPVGHDKMLSPNFDHHTAMLTRGEQHLR
 GLGTPPAAMSHLNLHHPGHTQSHGPVLAPSRERPPSSSSGSQVATSGQLEEINTKEVAQRITAEKRY
 SIPQAIQAQRVLCRSQGLSDLLRNPKPWSKLSGRETFRRMWKWLQEPEFQRMSALRLAACKRKEQEPN
 KDRNNSQKKSRLVFTDLQRRTLFAIFKENKRPSKEMQITISQQLGLELTTVSNFFMNARRRSLEKWQDDL
 GTGGSSSTSSTCTKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9036_h10.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


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

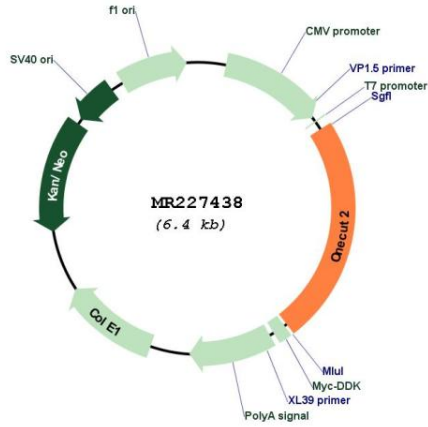
UniProt ID: [Q6XBJ3](#)

Cytogenetics: 18 E1

MW: 55 kDa

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

Product images:



Circular map for MR227438