

Product datasheet for **MR207440**

Onecut1 (NM_008262) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Onecut1 (NM_008262) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Onecut1
Synonyms:	D9Erttd423e; Hfh12; HNF-6; Hnf6; Hnf6b; OC-1; Oc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207440 representing NM_008262
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGCACAGCTGACCATGGAGGCGATCGGCGAGCTGCACGGGTGAGCCATGAGCCGGTGCCCGCCC
 CTGCTGACCTGCTGGGCGCAGCCCTCACGCGCGCAGCTCCGTGGGACACCGCGGACCCACCTGCCTCC
 CGCGCACCCGCGTTCCATGGGCATGGCGTCCCTGCTGGACGGCGCAGCGGAGGCAGCGATTACCCACAC
 CACCACCGCGCCCTGAGCACAGCTTGGCTGGCCCCCTGCACCCACCATGACCATGGCCTGTGAAACTC
 CCCCAGGTATGAGCATGCCACCACCTACACTACCTTAACCCCTCTGCAGCCGCTGCCGCCATCTCCAC
 CGTGTCCGACAAGTTCCTCACCATCATCACCACCACCATCACCACCACCCACACCACCAGCGC
 CTGGCGGCAACGTGAGCGGTAGTTTCACTTATGCGGGATGAGCGGGCTGGCCTCTATGAATAACC
 TCTATACCCCTACCACAAGGACGTGGCTGGCATGGGCCAGAGCCTCTCGCCCTCTCTGGCTCCGGTCT
 GGGCAGCATTCAAACTCCAGCAAGGACTTCCCCTACTGCTCATCCCGCGCGGCTATGCCACCACGAC
 AAGATGCTCACCCAAATGGCTTTGAAGCCACCACCCTGCCATGCTCGGTCGCCACGGGAGCAGCACC
 TCACGCCACCTCGGCCGCATGGTACCATCAACGGCCTTCTCCGCACCATCCTCATGCCACCTGAA
 TGCCACAGGGCCACGGACAGCTCCTGGGCACAGCCGAGAGCCAAACCTTCGGTGACCGCGCGCAGGTC
 AGCAATGGAAGTAATTCAGGGCAGATGGAAGAGATCAATACCAAAGAGGTGGCGCAGCGTATCACCACCG
 AGCTCAAACGTTACAGCATCCCACAGGCCATCTTCGCGCAGAGGGTGTCTGCCGTTCCACAGGGACCT
 TTCGACTGTGCGAAACCCCAAGCCCTGGAGCAAATCAAGTCGGGTGGGAGACCTCCGGAGGATG
 TGAAGTGGCTGCAGGAGCCGGAGTTCAGCGCATGTCCGCGCTCCGCTTAGCAGCTGCAAACGGAAAG
 AGCAAGAACATGGGAAGGACAGAGGCAACACCCCAAAAAGCCAGGCTGGTCTTACAGACGTCCAACG
 TCGAACTCTACATGCAATATTCAAGGAAAATAAGCGTCCGTCCAAGAATTACAAATCACCATCTCCAG
 CAGCTGGGTTGGAGCTGAGCACTGTGAGCAACTTCTTATGAATGCCAGGAGGAGTCTGGACAAGT
 GGCAGGACGAGGGCGGCTCCAACCTCAGGCAAGTTCATCGTCTCATCGAGCACTTGTACCAAAGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207440 representing NM_008262
 Red=Cloning site Green=Tags(s)

MNAQLTMEAI GELHGV SHEPVPAPADLLGGSPHARSSVGHRSGLP PAHPRSMGMASLLDGGSGGSDYHH
 HHRAP EHS LAGPLHPTMTMACETPPGMSMPTTYTTL TPLQLPPISTVSDKFP HHHHHHHHHHHHHHHHQR
 LAGNVSGSFTLMRDERGLASMNNLYTPYHKDVAGMGQSL SPLSGSGLGSIHNSQQGLPHYAHPGAAMPTD
 KMLTPNGFEAHPAMLGRHGEQHL TPTSAGMVPINGLPHPHHAHLNAQGHGQLLGTAREPNPSVTGAQV
 SNGSNSGQMEEINTKEVAQRITTELKRYIPQAI FAQRVLCRSQGLSDLLRNPKPWSKLSGRETFRRM
 WKWLQEP EFQRMSALRLAACKRKEQEHGKDRGNTPKPRLVFTDVQRRTLHAI FKENKRPSKELQITISQ
 QLGLELSTVSNFFMNARRRSLDKWQDEGGSNSGSSSSSSSTCTKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1234_h11.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_008262

ORF Size: 1395 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_008262.2](#)

RefSeq Size: 1824 bp

RefSeq ORF: 1398 bp

Locus ID: 15379

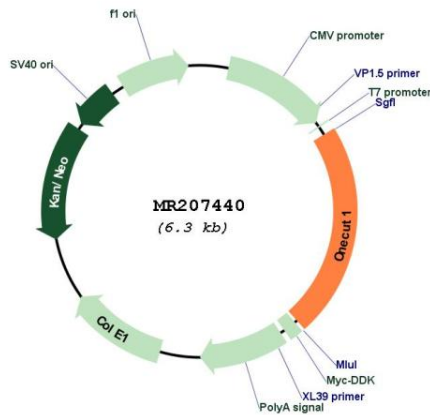
UniProt ID: [O08755](#)

Cytogenetics: 9 41.93 cM

MW: 51.4 kDa

Gene Summary: Transcriptional activator. Binds the consensus sequence 5'-DHWATTGAYTWWD-3' on a variety of gene promoters such as those of HNF3B and TTR. Important for liver genes transcription. Stimulates the expression of Onecut3 in the developing endoderm.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207440