

Product datasheet for **MR204868**

Mcl1 (NM_008562) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mcl1 (NM_008562) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mcl1
Synonyms: AW556805; Mcl-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR204868 representing NM_008562
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTGGCTGCGGAGAAACGCGGTTCATCGGCTTGAACCTGTACTGCGGCGGCCAGCCTCGGCGCG
GCGGCGTTCTCCGGCAGGGGCGCGCTGGTGGCCGAGGAGGCCAAGGCGCGCGCAGGGGGGAGGGGA
GGCCGCCCTGCTGCCGGCGCGGGTGGTGGCCGGCCGCCCGTGGGCGCCGAGGACCCGACGTC
ACCGCGTCGGCCAAAGGCGGTCATAAGTCGCCGGCCTCCTCGCCGTGCCGCCGAGGAGATGGCCG
CGTCGGCCGCGCGCCATCGTGTCTCCGGAGGAGGAAGTGGACGGCTGCGAGCCGAGGCCATCGGCAA
GCGCCCGCCGTGCTGCCCTCCTGGAGCGCTGAGCGAGGCGGCCAAGAGCTCCGGGGCCGACGGCTCT
CTGCCCTCCACGCCCGCCGCCCGAGGAGGAAGAGGACGACCTATACGCCAGTCGCTGGAGATCATCT
CGCGCTACTTGGGGAGCAGGCGACCGGCTCCAAGGACTCGAAGCCTCTGGGCGAGGCGGGCGGGCGGG
CCGGAGAGCGCTGGAGACCCTGCGGCGCGTGGGCGACGGCGTGCAGCGCAACCACGAGACGGCCTCCAG
GGCATGCTCCGAAACTGGACATTAACAAACGAAGGCGATGTTAAATCTTTTTCTCGAGTAATGGTCCATG
TTTTCAAAGATGGCGTAACAAACTGGGGCAGGATTGTGACTCTTATTTCTTTTCGGTGCCTTTGTGGCCAA
ACACTTAAAGAGCGTAACCAAGAAAGCTTCATCGAACCATAGCAGAACTATCACAGATGTTCTTGTA
AGGACGAAACGGGACTGGCTTGTCAAACAAAGAGGCTGGGATGGGTTTGTGGAGTTCTTCCACGTACAGG
ACCTAGAAGGCGCATCAGAAATGTGCTGCTGGCTTTTGGGGTGTGCTGGAGTAGGGGCTGGTCTGCC
ATATCTAATAAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204868 representing NM_008562
 Red=Cloning site Green=Tags(s)

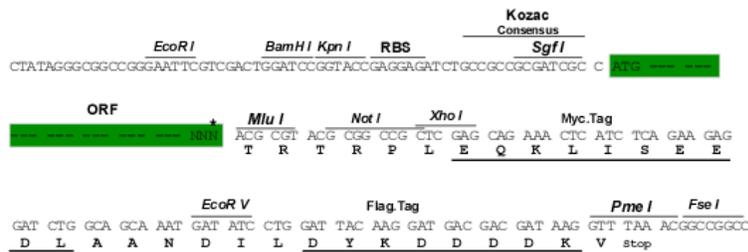
MFGLRRNAVIGLNLVYCGGASLGAGGGSPAGARLVAEEAKARREGGGEAALLPGARVVARPPPVGAEADPDV
 TASAERRLHKSPGLLAVPPEEMAASAAAIVSPEEELDGCEPEAIGKRPVLP LLERVSEAAKSSGADGS
 LPSTPPPEEEEDDLYRQSL E I I SRYLREQATGSKD SKPLGEAGAARRALET LRRVGDGVQRNHETAFQ
 GMLRKL DIKNEGDVKSFSRVMVHVFKDGV TNWGRIVTLISFGAFVAKHLKSVNQESFIEPLAETITDVLV
 RTKRDWLVKQRGWDG FVEFFHVQDLEGGIRNVLLAFAGVAGV GAGLAYLIR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008562

ORF Size: 993 bp

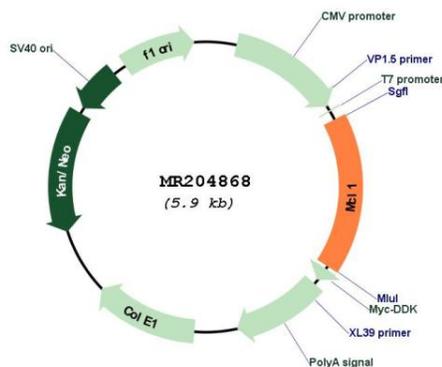
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none"> 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:	<u>NM_008562.3</u> , <u>NP_032588.1</u>
RefSeq Size:	3498 bp
RefSeq ORF:	996 bp
Locus ID:	17210
UniProt ID:	<u>P97287</u>
Cytogenetics:	3 40.74 cM
MW:	35.7 kDa
Gene Summary:	Involved in the regulation of apoptosis versus cell survival, and in the maintenance of viability but not of proliferation. Mediates its effects by interactions with a number of other regulators of apoptosis. Isoform 2 has antiapoptotic activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204868