

## Product datasheet for **MG204868**

### **Mcl1 (NM\_008562) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mcl1 (NM_008562) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mcl1
Synonyms:	AW556805; Mcl-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204868 representing NM_008562 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGTTTGGCTGCGGAGAAACGCGGTTCATCGGCTTGAACCTGTACTGCGGCGGCCAGCCTCGGCGCG  
GCGGCGGTTCTCCGGCAGGGGCGCGCTGGTGGCCGAGGAGGCCAAGGCGCGCGCAGGGGGGAGGGGA  
GGCCGCCCTGCTGCCGCGCGCGGGTGGTCCCGGCCGCCGCCGTGGGCGCCGAGGACCCGACGTC  
ACCGGTCGCGCCAAAGGCGGCTGCATAAGTCGCCCGGCTCCTCGCGTGCCGCCGAGGAGATGGCCG  
CGTCGGCCGCGCGCCATCGTGTCTCCGAGGAGGAAGTGGACGGCTGCGAGCCGAGGCCATCGGCAA  
GCGCCCGCGCGTGTGCCCTCCTGGAGCGCTGAGCGAGGCGGCCAAGAGCTCCGGGGCCGACGGCTCT  
CTGCCCTCCACGCGCGCCGCCGAGGAGGAAGAGGACGACCTATACCGCCAGTCGCTGGAGATCATCT  
CGCGCTACTTGGCGGAGCAGGCGACCGGCTCCAAGGACTCGAAGCCTCTGGGCGAGGCGGGCGCGCGG  
CCGGAGAGCGCTGGAGACCCTGCGGCGCGTGGGCGACGGCGTGCAGCGCAACCACGAGACGGCCTCCAG  
GGCATGCTCCGAAACTGGACATTAACCAAGGCGATGTTAAATCTTTTCTCGAGTAATGGTCCATG  
TTTTCAAAGATGGCGTAACAACTGGGGCAGGATTGTGACTCTTATTTCTTCGGTGCTTTGTGGCCAA  
ACACTTAAGAGCGTAACCAAGAAAGCTTCATCGAACCATTAGCAGAACTATCACAGATGTTCTTGTA  
AGGACGAAACGGGACTGGCTTGTCAAACAAAGAGGCTGGGATGGGTTTGTGGAGTTCTTCCAGTACAGG  
ACCTAGAAGGCGGCATCAGAAATGTGCTGCTGGCTTTTGGGGTGTGCTGGAGTAGGGGCTGGTCTGGC  
ATATCTAATAAGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

**Protein Sequence:** >MG204868 representing NM\_008562  
 Red=Cloning site Green=Tags(s)

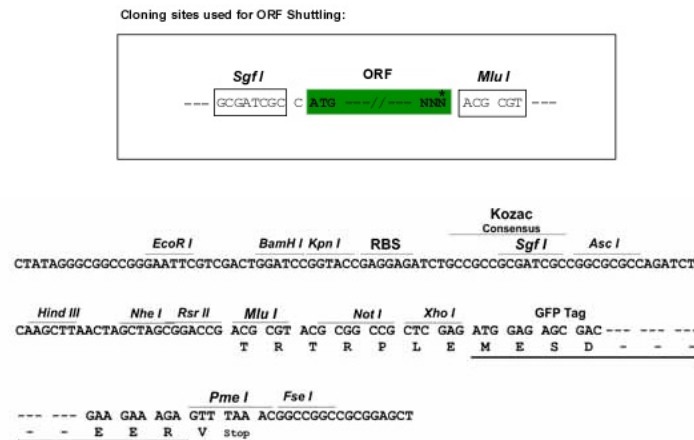
MFGLRRNAVIGLNLVYCGGASLGAGGGSPAGARLVAEEAKARREGGGEALLPGARVVARPPPVGAEDPDV  
 TASAERRLHKSPGLLAVPPEEMAASAAAIVSPEEELDGCEPEAIGKRPVLP LLERVSEAAKSSGADGS  
 LPSTPPPPPEEEEDDLYRQSL E IISRYLREQATGSKDSKPLGEAGAARRALET LRRVGDGVQRNHETAFQ  
 GMLRKLDIKNEGDVKSFSRVMVHVFKDGVTNWGRIVTLISFGAFVAKHLKSVNQESFIEPLAETITDVLV  
 RTKRDWLKQRGWDGFVEFFHVQDLEGGIRNVLLAFAGVAGVGAGLAYLIR

TRTRPLE – GFP Tag – V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2066\\_e09.zip](https://cdn.origene.com/chromatograms/ja2066_e09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_008562

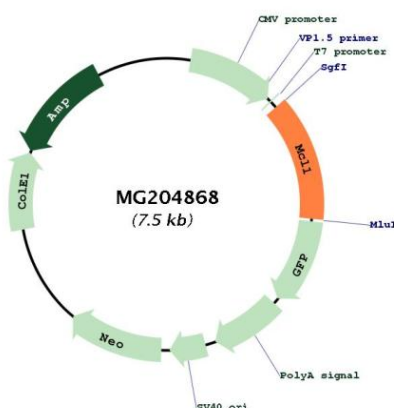
**ORF Size:** 993 bp

**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](mailto: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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_008562.3</a> , <a href="#">NP_032588.1</a>
<b>RefSeq Size:</b>	3498 bp
<b>RefSeq ORF:</b>	996 bp
<b>Locus ID:</b>	17210
<b>UniProt ID:</b>	<a href="#">P97287</a>
<b>Cytogenetics:</b>	3 40.74 cM
<b>Gene Summary:</b>	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 MG204868