

## Product datasheet for **MG215371**

### **Cerkl (NM\_001048176) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cerkl (NM_001048176) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cerkl
Synonyms:	Gm1958; Rp26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG215371 representing NM\_001048176  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTCCGGGGAGACGCAGGAGCCGGTGGCGCCCTGGAGGAGCGCCTCCGGAGAACCCAAAGGCAG  
 CTGCTGAACCCGAGCGGGTTTTGCTGCGTGGCATCTTCGAGATCCGGAGGAAAGCTGCGATGTGGCGTT  
 GGGCGAGCGGCCCTGCGGTGGCGACGCATCCAGCCCAGCTCCCGCTGGTGGACCCAGGCATGATCTG  
 CTGAGCAAAGAAGAGTCCCTAGAACTTGAAGACATCTTCTCAGTGAAGCTGAAGCGGCGTTGCTGGCCA  
 AGCATCCAGGCAGAGACACTGCTGGCATAACGCTTTTCATCTGCTTGAAGGAGCAACGGAACAACT  
 AAAGGACTCCACGCTGGATCTTATTAACCTCAGTGAAGACCCTGTGACATATGGTTTAGACAGTTCAAG  
 AAAATCTGGATGGTTTACAAGCAGGCCAAGGCTCTCAAGATCCTCTCAACCCAGAGTACAGAA  
 AGGAGTCTGTCCACGTCTATTACGAGAAGGTGGAGCCTCTGCTGAAGCTTGGGGCATAGAGACTGATGT  
 GACAATAACAGAATATGAAGGGCATGCCCTGTCTGCTTACGAATGTGAACCTCCGAGGATTTGATGGT  
 GTTGTCTGTGGTGGAGATGGATCTGCGAGTGAAGCCGCCCGCTTTGCTCCTCAGAGCTCAGAAGA  
 ACGCGGGAGTGGAGATGGACTGCATCCCGACTCTCGTTGGAGCAGAGCTTCTCTTGGCTTCATTCCAGC  
 AGGATCTACTAACGCACTGGCACATTCTCTTTGAACTCCTCACGTGGTGAAGTGAACCATGCATATT  
 ATACTAGGTCACATACGGTCAGTGGATGTCTGCACCTTAGCTCTGCTGGCAAGCTTCTTTGCTTTGGGT  
 TCTCAGCCATGTTTGGCTTTGGTGAAGGACCTTGGCTCTGGCAGAGAAAACCGATGGATGTCCCCAG  
 TCAGCGAAGAGACTTTGCTATAATCAAAGCACTGGCCAACTTAAAGCCAGAGGACTGCAAAATATCATT  
 TTAGTACAGGTTGTTCTCAGAATAAACAAGAAAATCACAGAGATCTGCAGAACTGACTGTGGTG  
 GTCAGTGGCAACCATCCAGGGCAGTTCTTGAACATCAGCATCATGGCAATGCCCTGTCCATGTTCAAT  
 GGCACCCAGAGGCTTTACACCTGACACCCAGATTACATAATGGAAGCATGGCTCTTAGGGTTGTCCGGAAC  
 ACCACTCGATCAGAATTTGTAAGCACCTGAAAAGACACTCCAGTGTAAAGAATCAGTTCAATTTCCCT  
 TTGTGGAGACTTATATCATTGAAGAAGTAAAAATTACCCAAAGAGTAATAGCAATGGATACAGCCACA  
 GGAGGAGGTGGAACCATACAAGTCTCAGAACACGGGTTTCCGTGGAATGTAGATGGTGAAGTAAATG  
 GAAGCTGCATCAGAGGTTACATTAGGCTGCACCCAAAGACTGATCAGGCTCTATGGAGGAAGCTGGAAG  
 AAATGAATGATTGCAAAGTAGCATGTGATTGCATA

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG215371 representing NM\_001048176  
 Red=Cloning site Green=Tags(s)

MFRGRRRSRVGAL EEAPPENPKAAAEPERVLLRGIFEIRRESCDVALGERALRWRRIQPELPAGGTRHDL  
 LSKEESLELEDIFSVKLRRCWAKHPGRDITLLGITLFIKLEQRNKLKSTLDLINFSEDHCDIWFQFK  
 KILDGFTSRPKALKILLNPQSHRKE SVHVYVEKVEPLLKLAGIETDVTITEYEGHALSLLDECELRGFDG  
 VVCVGGDGSASEAARALLRAQKNAGVEMDCIPTLVGAELPLGFIPAGSTNALAHSLFGTPHVVTATMHI  
 ILGHIRSVDVCTFSSAGKLLCFGFSAMFGGRTLALAEKYRWMSPSQRRDFAIKALAKLKPEDCKISF  
 LLAGCSQNKQERKSQRSAESDCGGHWQTIQQQLNLSIMAMPCCSMAPRGFTPDTRLHNGSMALRVVRN  
 TTRSEFVKHLKRHSSVKNQFNFPFVETIIEEVKIHPKSNSNGYSPQEEGGNHTTASEHGFPWNVDGLM  
 EAASEVHIRLHPRLIRLYGGSLEEMNDCKVACDCI

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001048176

**ORF Size:** 1575 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\\_001048176.1](#), [NP\\_001041641.1](#)

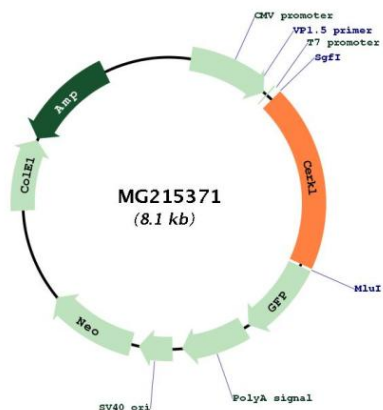
**RefSeq Size:** 1759 bp

**RefSeq ORF:** 1578 bp

**Locus ID:** 228094

**Cytogenetics:** 2 C3

Product images:



Circular map for MG215371