

## Product datasheet for MR211464

### Card10 (NM\_130859) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Card10 (NM_130859) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Card10
Synonyms:	AI449026; Bimp1; Carma3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211464 representing NM_130859 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGGGTGGCCGGGAGGCCGGGCTGGGGCGGAGCCAATGACCCGAAGGCACCGCCCCGTGCG  
GCCTCCGGAGCCGTGGCCGAGCACAGAGCCGGGAGCTCAGGGCAGCTGCAGCGCCCGTGGCTCGGAGGA  
CGCGGCCATGCAGGGCCGGGCGGACGCGGGCGAGGCTGACGAGGAGGCTGGGGCGGGTTCGGGTTCGGAG  
GCCGAAGAGGACGCGCTGTGGAGCGGATCGAGGGCGTCCGGCACCGACTGACCGCGCCCTGAATCCGG  
CCAAGCTCACGCCGATCTGCGCCAGTCCCGCTCCTGGACGAACAGGACGAGGAGGAGGTGCTCAGCAC  
CTACCGTTTCCCGTGCCGCGTAACCGTACCGGGCGCCTCATAGACATTTACGCTGCCGGGCAAGAGG  
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AACCTGCCAACGCTGCTCCATGATCCTTGATGAGGAGGGTCCCGAGGGCCTGACTCAGTCTTGATGAC  
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GCCAGCGACTGCGGGAGGACTGGGAGGCTGGCAGCCTGGAGCTGCTGCGCCTCAAGGATGAGAACTACAT  
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GCCGAGACCGGATCCAGCTGCAGTATTCTCAGAGCCTCATTGAGAAGGACCAGTACCGAAGCAGGTGCC  
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GAGGCACAGCTGCAGCGGACACAGGGGGTTCCTGTCTCAAGGCCTGTGCCTCCTCCCACTCCCTGTGCT  
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**Protein Sequence:**

>MR211464 representing NM\_130859  
 Red=Cloning site Green=Tags(s)

MLGGPGRRRAGGGANDPEGTAPSRRLSRRPSTPEGAQGSARGSEDAAMQGRADAGEADEEAGAGSGSE  
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 LDFLNRLAIRVSGWSPAGLDPQDKSPDSMPGLGDRWSGAVVRRVLSGPGSARTEQKEPRAEGTGLEGA  
 GLEAEQQRTL PWNQSSTLPFLLDKACHSFHEALDAWAKGPAEPFYIRANFSLPERSDPHALCVKAQE  
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 RPKPAGGTAGDSAEQLPAEPCSELESLKPYSLVRPLLVSALRPVLLPECLAPRLIRNLLDLPSSRLDF  
 QVCPAESLSGEEQCTSSAPGAPKAWPATAGLGSRIQAIQESVGGKHLLELGARGVREL VHSEVYPIVIH  
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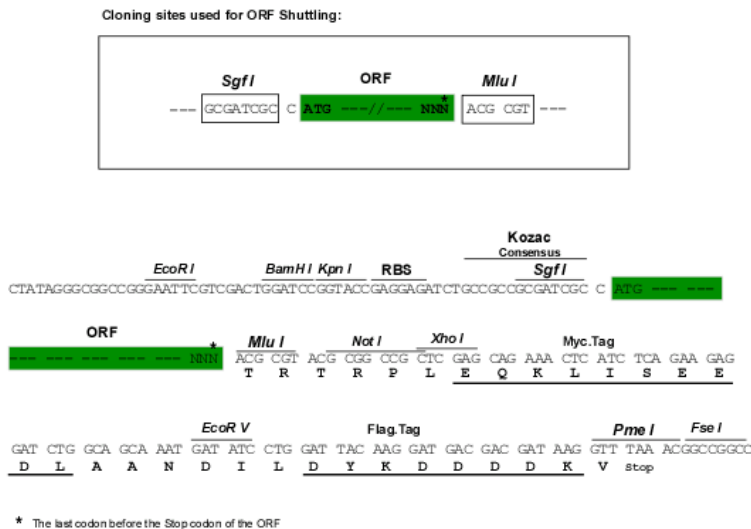
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9040\\_g11.zip](https://cdn.origene.com/chromatograms/mm9040_g11.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_130859

ORF Size: 3210 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\\_130859.2](#), [NP\\_570929.2](#)

RefSeq Size: 4748 bp

RefSeq ORF: 3213 bp

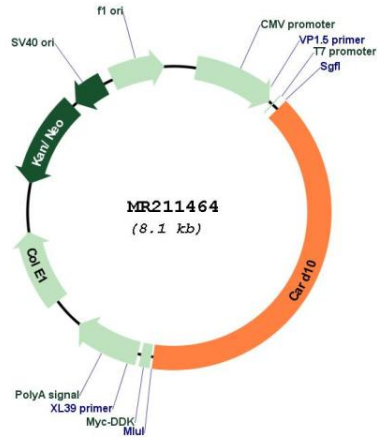
Locus ID: 105844

UniProt ID: [P58660](#)

Cytogenetics: 15 E1  
 MW: 119.6 kDa

Gene Summary: Activates NF-kappa-B via BCL10 and IKK.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR211464