

## Product datasheet for MR221853

### Cd163I1 (NM\_172909) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd163I1 (NM_172909) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd163I1
Synonyms:	B430307C05; E430002D04Rik; Scart1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221853 representing NM_172909 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGACAACGCTCTGGCCTCTGAGTTTAGGGTCTCTTCTCACTCTCGGGCAGCTCTCACTGGCACAT  
CATCTGAAGGTGACCAAGGCAATCTGAGGCTGGCACACAGACAGAGCACATGTGACGGAGTGGTCTGGT  
TCGACACCAAGGGGAATGGGGTCACTGTGCAACCTGGAGTGGACTGGCAGAGGCCTCTGTGGTGTGT  
AGACAGCTGGGCTGTGGCCCTGCTGTGGTGTCTCCAAATATGTACCCCTGCCTGGAGAGATGGTCCGGC  
CCTGGCTGCACAATGTATCCTGTTGGGGCAATGAGTCCTCTCTCTGGGAGTGTAGCCTTGGGGCATGGAG  
TCAGCGTGCTTGCCCCATGAGTGGGTGGTGGTCTCTGTGCAAATGGCACCTTCCGGGAGATCCGG  
CTGGTGAAGGGCCACAGTCCCTGTGAGGACTCCCTGAGATCATGAATGTGAATGGGGTGGACCGCCTCT  
GTGGCCTGCATGTGGAGGAGGCCACAGTGTGGCCGTGAGCTGCAGTGTGGCCATGCACTCCAGGCCCC  
CCGTCAAGATGTGGGCGTCAGTAAGTACATGACCTGCAAGGGCACCGAGTCCACCATCCGCAACTGCAGA  
CTCAACAACAAGCTACGCGGTGGCTGCAACCTGCTGCTGGATGCAGAAGTCACTGCTCAGGACACGTGG  
AGGCCCGGCTAGTGGGTGGAGAATTCCTGTGCTGGACGCTGGAGGTTCTTCGGGGACTGACCTGGGG  
TACCATCTGCCATGCTGATCTGGACTTGCCACAGCCCATGTTGGTGTGCCGGGAGTTAGGGTGTGGTATA  
GCTGTGCTACACTTGGGGGTGCTCAGTTGGCCAGGGCTCAGGACCTGTGTGGCTAGAAGCCTTCCGCT  
GTGTGGGGAATGAATCGCTGCTATTCCTGCTGCCCCGGGAGCCGGTCACTGTGGCCACGAGCAGGA  
TGCTGCACTCACCTGCTCAGAGTTCGGGCTGGTCAATGGCAGCAGTACTGTGAAGGCCGTGGAACTC  
CAAGTGAAGGGACCTGGGCACCTGTCTGTGCTGCCAACTGGGACCTAGCAGATGCCATGGTTCTCTGTC  
ACCAACTCAACTGTGGCAATGCAGTATCTGTACCTCCAGGAGGACATTTTGGTGTGGGGATGATCTCAT  
CTGGCCAGACATATTTTCATTGTGTGGGGACAGAGCCTCATTGCTTCACTGTGCAGCAAGCACCTGGGG  
GCCCATGGTTGTGCTCCTGGGAATACAGCTTCTACCATCTGTTCCAGGACTCCAAGACATCCTGCGGCTGA  
GAGATGGACAGAGCTACTGTGATGGCCGTAGAGATTTCCCTGGATGGTTCATGGGGCCGCGTATTGGA  
TGACGCCCTGGGACCTGCATGGGCCAGCGTGGTGTGCCGGCAGCTAGGGTGTGGAGAGGCACAGCGACCC



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TATGATGCTCCAGCTCCTATTTTCAGGAGAGTCCCTGTGGGGCTGAGCCAGGTGCCTGCCTGGGCTCTG  
 AGACTCGCTGGTGCATTGCAATGTTTCTACGTCCCTGCTGGTGCCTGCTGGGACCTTGCCTGACGCAGG  
 AGTGGTGTGCTCCGGGAGCCTGCGCGTGAAGGCTGGCTGCGGGCCAGGTCGATGTGCTGGGCGTGTGGAG  
 TTATTCTATCAGGGCTCCTGGGGCACTGTGTGTATGATGCTGGGACCTACAGGATGCACAAGTGGTCT  
 GTAGGCAGCTGGACTGTGGCCACGCCCTCAGTGTCTCCCGGAATGCTCACTTTGGGGCGGGACTGGGCA  
 CATCTGGATGGATGAGCTGCACTGCTTGGGAAATGAGTCTTCGTGTGGAAGTCCAGTCAGGAAGCTGG  
 GGCCAACATGACTGCAGACACAAGGAGGATGCTGGAGTGTCTGCTCAGAATCTGTGGCTCTGAGGCTTC  
 GAGGTGGCACTAGTGGCTGCGTTGGATGGCTGGACGTGCTCTACAATGGTCTGGGGTGTGTGTGCAG  
 CAATGCACTCAGAGACATCTCCTTGAGCATCATCTGCAGACAGCTGGGATGTGGGACCAGGCTGGCTG  
 GAGAACAGGCCTTCTTCTGGAGCTGGCCTGGGAATCTCCTGGGTGGATAATCAAGTGTGAAATCTAC  
 ACAATGCCACCCTGTGGCAATGCCCTTCTGCCCATGGAACCCGCACTCCTGCACCCAGGAGGAGGAGT  
 CTGGATTAAGTGTGAAGGAACACCACAGATAGCTCTCCAGGACCCTGCACAGACCCCAAAGTCTTCT  
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 GGGGACATGGAGACTGCACGCACAAGGAGGATGCAGGTGTTTCGCTGTGCGGGTGTCTCCACGACCACTGC  
 ATTGTCTCCTTCCCTGACCCCTCCATCGGTTGCCGAGGCTCGAAACTGTGCGAGATTGCCTGCTTGGTG  
 CTTGGCTGCCTTCTGGGCATTGTCTTCTGTTTATGATTGCTCAGTGGTCCACATCAGAGATGCTAGCA  
 TGGGTGCTGGCATGTTGGGGCATCTACAGTCAGAAGGTATCTATGAGGACATTGAAGTTGACCCTGTGCC  
 AAAGAAGGAGGAGAACACAGTATCCAGGCTACTGATGCTGGAAGAGGTTATGATGATGCTGAAGAGCCT  
 GAGGATCAGCCACAGAGAATGACGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR221853 representing NM\_172909  
 Red=Cloning site Green=Tags(s)

MRTTLWPLSLGSLTLAGALTGTSSEGDQGNLRLAHRQSTCDGVVLRHQGEWGHLCNLEWTLAEASVVC  
 RQLGCGPAVGAAPKYVPLPGEMVRPWLHNVCWGNESLWECSLGAWSQRACPEHWVVALCANGTFREIR  
 LVKGHSPCAGLPEIMNVNGVDRLCGLHVEEATVFCRELQCGHALQAPRQDVGVSKYMTCKGTESTIRNCR  
 LNNKLRGGCNLLLDAAEIVCSGHVEARLVGGEHSCAGRLEVLRLTWGTICHADLDLPTAHVVCRELGCGI  
 AVSTLGGAQFGQSGPVWLEAFRCVGNESLLFHCPRPGHHCHEQDAALTCSEFRLVNGSSDCEGRVEL  
 QVQGTWAPVCAANWDLADAMVLCHQLNCGNAVSVPPGGHFGDGDLLIWPDI FHCVGT EPHLLHCAASTLG  
 AHGCVLGNTASTICSLQDILRLRDGQSYCDGRVEISLDGWSWGRVLDADWDLHGASVVCRQLGCGEAQRA  
 YDAPAPIFRRVPVGLSQVRCLGSETRLVHCNVSTSLVPAGTLRDAGVVCVSGSLRVRLAAGPGRACGRVE  
 LFYQGSWGTVCDDAWDLQDAQVVCRLDCGHALSAPRNAHFAGTGHIWMDLHCLGNESSLWKCQSGSW  
 GQHDCRHKEDAGVFCSESVLRRLRGGTSGCVGWLDVLYNGSWGAVCSNALRDISLSIICRQLGCGDQGWL  
 ENRPSSGAGLGISWVDNIKCRNLHNATLWQCPAPWNPHSCTQEEVWINCEGTPQIALQDPAQTPNCSS  
 PFGCLENSVLRLVGGEDGCSGRVELWHAGSWGTVCDSDWLDVAEVVCRQLGCGQALAAALGEASFPGVVG  
 PVWLDEVECLGSEVTLEACQAEPWGHGDCDTHKEDAGVRCAGVSTTTALSPSLTPPSVAEVWKLSEIACLV  
 LGCLLGIIVLVMIAQWCHIRDASMGAGMLGHLQSEGIYEDIEVDPVVPKKEENTVSRLMLLEEGYDDAEEP  
 EDQPTENDE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9099\\_d08.zip](https://cdn.origene.com/chromatograms/mm9099_d08.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_172909

**ORF Size:** 2967 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.

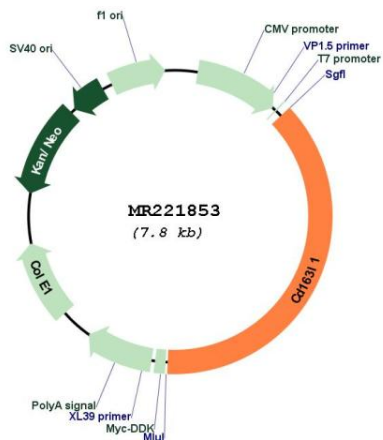
**RefSeq:** [NM\\_172909.4](#), [NP\\_766497.3](#)

**RefSeq Size:** 3454 bp

**RefSeq ORF:** 2970 bp

Locus ID: 244233  
 Cytogenetics: 7 F4  
 MW: 106 kDa

**Product images:**



Circular map for MR221853