

## Product datasheet for **MR200699**

### 2700059D21Rik (BC082305) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** 2700059D21Rik (BC082305) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** 2700059D21Rik  
**Synonyms:** MGC90611  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR200699 representing BC082305  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

**ATGGCGTGGGAGCCACTCTGAAAAGGACTCTGGATTCGACCCGCTGCTGAGCCCCGCATCTCCGAAGC**  
**GGAGGCGGTGCGGCCTTTGTCGGCGCCGGCTTCGGCTGCCGCCCTCCCTGCCGCCACCGCCGCCG**  
**CGCCGCTCGGCCGCGCCGCTCGCCGAGAAGTATCTCCGGATGGAGCCTTCCCCTTCGGCGACGTC**  
**TCTTCCCGGCTCACCACAGAACAATTCTGTACAACATAAAACAGGAATAAAACGCATGCAGAAGAGAA**  
**GACATTTAGAAGCTAGTTTTAGCAGGCAGATCCAGGTTGACTTCCGATTCACAGCCACATGCATTTCT**  
**CATCAGTGGACCAGCATCACCAGGTAATAACCCT**

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT**  
**ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:** >MR200699 representing BC082305  
**Red=Cloning site Green=Tags(s)**  
  
MACGATLKRTLDFDLLSPASPKRRRCAPLSAPASAAAAPAAATAAAAASAAAASPKYLRMEPSFPGDV  
SSRLTTEQILYNIKQEYKRMQRRHLEASFQQADPGCTSDSQPHAFLISGPASPGNNP

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:** Sgfl-MluI

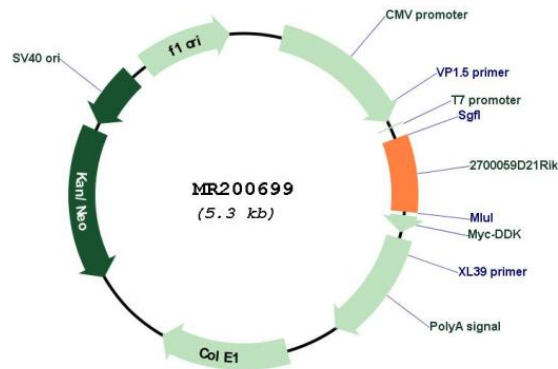


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: BC082305

ORF Size: 384 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](#)

<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="#">BC082305</a>
<b>RefSeq Size:</b>	4096 bp
<b>RefSeq ORF:</b>	386 bp
<b>Locus ID:</b>	433693
<b>Cytogenetics:</b>	4 A5
<b>MW:</b>	150.2 kDa
<b>Gene Summary:</b>	Forms a complex with YWHAB that acts to repress transcription of DUSP1 (By similarity). Required for embryonic development and the innate immune response. Downstream effector of the Toll-like receptor (TLR), TNF and IL-1 beta signaling pathways leading to the production of IL-6.[UniProtKB/Swiss-Prot Function]