

Product datasheet for **MG200699**

2700059D21Rik (BC082305) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 2700059D21Rik (BC082305) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: 2700059D21Rik
Synonyms: MGC90611
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200699 representing BC082305
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGTGCGGAGCCACTCTGAAAAGGACTCTGGATTCGACCCGCTGCTGAGCCCCGCATCTCCGAAGC
 GGAGGGCGGTGCGCGCCTTTGTGCGCGCCGGCTTCGGCTGCCGCCCTCCCTGCCGCCGCCACCGCCGCGC
 CGCCGCCCTCGGCCGCGCCGCCCTCGCCGAGAAGTATCTCCGGATGGAGCCTTCCCCTTCGGCGACGTC
 TCTTCCCGGCTCACCACAGAACAATTCTGTACAACATAAAACAGGAATATAAACGCATGCAGAAGAGAA
 GACATTTAGAAGCTAGTTTTAGCAGGCAGATCCAGTTGTAATCCGATTACAGCCACATGCATTCT
 CATCAGTGGACCAGCATACCAGTAATAACCCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200699 representing BC082305
 Red=Cloning site Green=Tags(s)
 MACGATLKRTLDFDPLLSPASPKRRRCAPLSAPASAAAAPAAATAAAAASAAAASQKYLMEPSPFGDV
 SSRLLTTEQILYNIKQEYKRMQKRRHLEASFQQADPGCTSDSQPHAFLLISGPASPGNNP

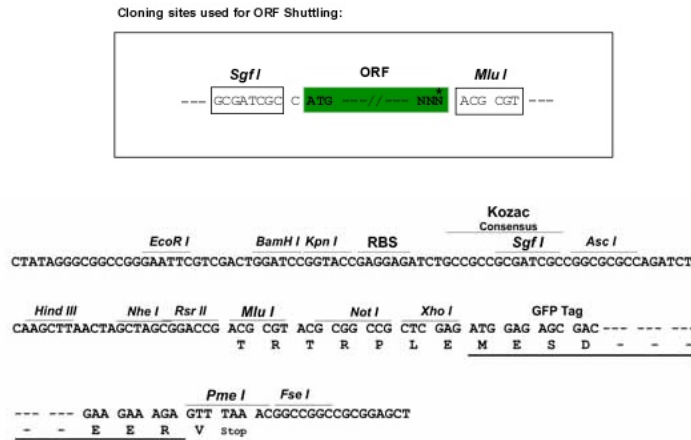
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

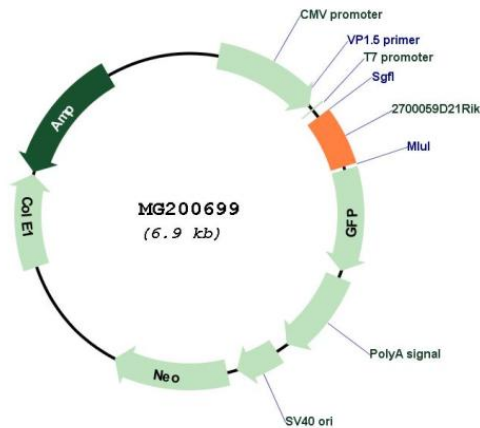


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Cloning Scheme:



Plasmid Map:



ACCN: BC082305

ORF Size: 386 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:	<ol style="list-style-type: none">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:	BC082305
RefSeq Size:	4096 bp
RefSeq ORF:	386 bp
Locus ID:	433693
Cytogenetics:	4 A5
Gene Summary:	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]