

Product datasheet for **MR213296**

1700008O03Rik (NM_027049) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 1700008O03Rik (NM_027049) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: 1700008O03Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR213296 representing NM_027049
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCAGCCAGAGGTGGAGCCTTTAATCTCCCCAACCTGGGCGCCCTGGCTCACACAGGGAGACAGGAT
CCTTCCTTGTGACCTCGAGTCTATGGAGGAGTCCATGTCTCGGAGCCTGGGCAAGCCTGCCAAGTCCCTC
GAAGCAGTACCTGCGGCAGGTCATCTCGGAATATGAGGCGCTGGATCGGGAGCTCCCGTGTATCCGAAAA
TTCTCAGAACCACCCTCTGCCAGCCCCCTGCCTTTGCATGGAGACTTCGGAAGACTTTACGCACGTGG
AGGTGCTGCAAGCTTTGGAGCCGAGCTGCCCGGGCCATGGAAAGCGGGCGCGTGAACGATCCCGCTA
CGAGAATATGAATGTCTGCGTACTGCGGGCCGAGGGACAGGTGGCTCATCACAGACTTC
CAGACGCGGTACGCCTGCTGCGTCCGGGCTCACCTCCGTGGAACCGGTACCCACTGGTGCGCCACG
ACGATTTACTGCTGGGGACTACCGTTTGCACCTGCGCCGCTCTCTGGTCCGAAGCGCATGCTCGAAGC
CCTCGGGCGGAGCCTGCCGACGAAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR213296 representing NM_027049
Red=Cloning site Green=Tags(s)

MQPEVEPLISPNLGAPGSHRETGSFLVDLESMEESMSRSLGKPAKSSKQYLRQVISEYEALDRELPCIRK
FSEPPSAQPLCLCMETSEDFTHVEVLQALEALPGAMESGRVNSIRYENMNVICGTAGRRDRWLITVDF
QTRSRLRLRSLTLRGTAYPLVRHDDLILLGDYRLHLRRSLVRRRMLLEALGAEPADED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9078_c02.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027049

ORF Size: 588 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_027049.1](#), [NP_081325.1](#)

RefSeq Size: 925 bp

RefSeq ORF: 591 bp

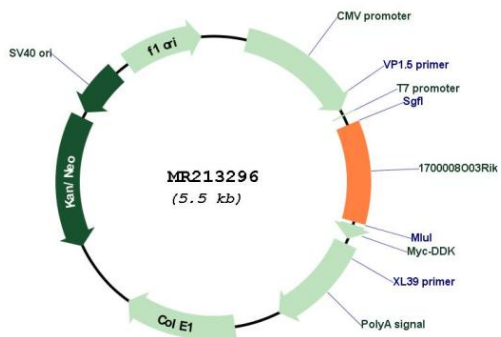
Locus ID: 69349

UniProt ID: [D3Z070](#)

Cytogenetics: 7 B3

MW: 22.1 kDa

Product images:



Circular map for MR213296