

## Product datasheet for MR214176

### 1700012P22Rik (NM\_027056) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** 1700012P22Rik (NM\_027056) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** 1700012P22Rik  
**Synonyms:** MGC118354; MGC144256  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR214176 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTTTC AACCTCAGTGGTTCCTGAGGCATTTTCTACTCCAGGCTGGCAGATTGAAAAGAAGTATTCAA  
 CGAAAGTGCTCCTTGAAACTGGGTAGAAGAAAGAGGAAAGTTCCACAAAGCCATTGACCACACTCCCCA  
 GTGCATTTACAGGAAGGAGTATGTTCCCATGCCAGACCACAGACCAGACTTCGTTTCTAGGTGGTATTTCG  
 AAAAGTAAATGGAGGGTCTCCCGTACAAGCACCTGATCACCCATCACCAGAACCTTCGCATCGCTATC  
 TGATCAGCACCTATGATGACCACTACAACAGGCACAATTATAACCCAGGCTTGCCAGCTCTGCGTACCTG  
 GAATGGACAGAACTGCTGTGGCTGCCCGAGAAGTCTGACTTTCCCTTGTTCACCTCCCACAACTAT  
 GGACTATTAGAGCAACTGCAGCAAAAGTGGCTGGCTTCCAAGACTAGCCTGAAAGAGAGCATTTATACTA  
 CATCCTACCCAGGCTGCCGGTGTGCGCTATGTCCAGGAGGGAGCATGCCATCCCAGTCCCTCACCTCG  
 ACTGCAACCCATCCCACGCTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR214176 protein sequence  
 Red=Cloning site Green=Tags(s)

MLSTSVPEAFSTPGWQIEKKYSTKVLLGNWVEERGKFTKAIDHTPQCIYRKEYVPMDFVSRWYS  
 KSKMEGLPYKHLITHHQEPSHRYLISTYDDHYNRHNYNPLPALRTWNGQKLLWLPEKSDFLVAPPTNY  
 GLLEQLQKWLASKTSLKESIYTTSPRLPVCAMSRREHAIPVPHRLQPIPRF

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



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Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM\_027056

ORF Size: 585 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\\_027056.1](#), [NP\\_081332.1](#)

RefSeq Size: 972 bp

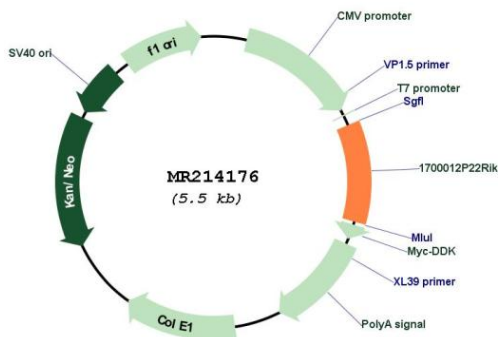
RefSeq ORF: 591 bp

Locus ID: 69364

UniProt ID: [Q4KKZ1](#)

Cytogenetics: 4 E1  
 MW: 22.8 kDa

**Product images:**



Circular map for MR214176