

## Product datasheet for MR200764

### 1200002N14Rik (BC021433) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** 1200002N14Rik (BC021433) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** 1200002N14Rik  
**Synonyms:** 1200002N14Rik; Dram  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR200764 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGGGCATCGTAGCCAACTTCCAGGAGTTAGCCGTGCCTGTGGTCCATGATGGCGGTGCGCTTCTGGCTT  
 TCGTCTGCGGGGTGGTGTACACGCTCCTGCAATCGATCATCTCTACAAATCCTGTCCCCAGTGGAACAG  
 TCTACCACGTGCCATGTCAGGATGGCCATCTCCGCTGTTTCGTGCGCAGCTGTCGTCCCCATGATTGCC  
 TGTGCTTCACTATTTCTATAACCAAGCTGGAATGGAATCCAAAAGAAAAGGATTATATATATCACGTGG  
 TGAGCGCCATCTGTGAGTGGACCGTGGCTTTTGGTTTTATTTCTATTTCTAACATTCAAGATTT  
 CCAGAGTGTCACTCTAAGGATATCCACAGAAATCAATGACGACTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200764 protein sequence  
 Red=Cloning site Green=Tags(s)  
 MGIVANFQELAVPVVHDDGALLAFVCGVYVYLLQSIISYKSCPQWNSLTTCVHRMAISAVSAAVPMIA  
 CASLISITKLEWNPKEKDYIYHVSAICEWTVAFGFIFYFLTFIQDFQSVTLRISTEINDDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** BC021433

**ORF Size:** 396 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:** [BC021433](#), [AAH21433](#)

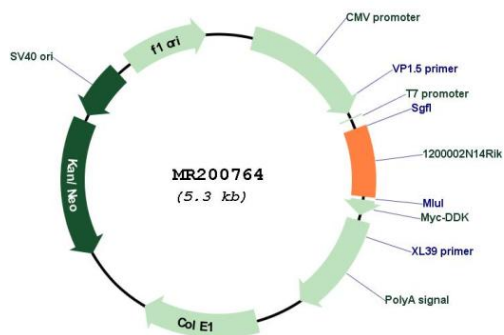
**RefSeq Size:** 2804 bp

**RefSeq ORF:** 398 bp

**Locus ID:** 71712

Cytogenetics:	10 C1
MW:	14.7 kDa
Gene Summary:	Lysosomal modulator of autophagy that plays a central role in p53/TP53-mediated apoptosis. Not involved in p73/TP73-mediated autophagy (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR200764