

## Product datasheet for MR212760

### 4933402N03Rik (NM\_173409) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	4933402N03Rik (NM_173409) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	4933402N03Rik
Synonyms:	4930412005
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212760 representing NM_173409 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATTAAGGAGTGGGAAAACCACTTTCAGCAGTATAAAAGCCAGAGATGTGGATATCCAAAGGCTCAGG  
AAGGGACCCAGCCGAGGGAGAGCAAAATAGTAGAAAGCCATCCAGGATCTGCAGTGACAACCATCCCTG  
GGTAGTTCAAGATTTCCACACCACAAAGAGGACCTCTGTACTCCATCACCTTTGGGGATATGGACGGCA  
TTCTACAAATCAGATCCACGCATTGCCCTTGAAAATACTCCCAATGGAACAAGAAATCAACATCTCG  
GTGGCGTTCATACCAGAGCAGCAAGAAGATTTTTGGTTGAGAAACAATACAAGGAGTGGAGGATGCTGAG  
GGAACCCAGAAGCAGTCTGCAGACTACAAAAGGCCATAGAGTTGGGAAGAGACCCCTCCTTACGCT  
GTGTGTGGACCCCGAAAAAATATGGACAGCGAAGGTGTCTGTGCCTGCTGAAGAGTTCAAAACGCCGC  
ACCGAGAGGTGACAGGCATCAAGAAACACATCAAAAGAATGCAGCTGGCAGGACCCCTGGAAAAACAAGCA  
GTCTTCTACAGATATTGGAAGGCTGTCCCCAAAAACAGACAAGTTCAGTGAAGAGGGAGAGGATGATGAC  
ACGGATAGCAATGATAAAGCCAATCGGGGGGAGAAAGGGGAGGCCAAGTTTGAACCCACAAATAAACGAG  
AAGTCATACTGAATGTGGCTTTCAAGTCTGAAGAAACCAAAAGTTGTGTAGTATGCCATCGGAATGATCG  
GAAAACCTTCTCCAGTGAAGAGACCGGAGAGGCGGATCACGGGCTCACAACAGAAACCTCTCCCT  
ATCACTGGCTTCTCCAGTGAAGAGACCTGATGCTCATGAACCAGGATTTGTATCAAAGGGAATCCACCCGAGTG  
ACGCCATTAATACTACTGGCTGCCGGAAGAGGATCTCTCAAGGTCGCAAGCAAGGCCCTGCTTGCTG  
CCACAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR212760 representing NM\_173409  
Red=Cloning site Green=Tags(s)

MIKEWENHFQYKSQRCPKAEQEGTPAEGEQNSRKPSRICSDNHPWVVDQFPHHKEDLCTPSPLGIWTA  
 FYKSDPRIALGKYSPEQEIQHLGGVHTRARRFLVEKQYKEWRMLRELQKQSADYKRAIELGRDPSSYA  
 VCGPPEKIWTAKVSVPAEEFQTPHREVTGIKKHIKRMQLARALENKQSSTDIGRLSPKTDKFSEEGEDDD  
 TDSNDKANRGEKGEAKFEPTNKREVILNVAFKSEETKSCVVCHRNDKFTFLPVKRPERRITGLTNRNLF  
 ITGFPGLMLMNQDFVSKGIHPSDAIKIYWLPEEDLFKGRKQRPACCPH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9064\\_h09.zip](https://cdn.origene.com/chromatograms/mm9064_h09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_173409

**ORF Size:** 987 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\\_173409.4](#), [NP\\_775585.1](#)

**RefSeq Size:** 1161 bp

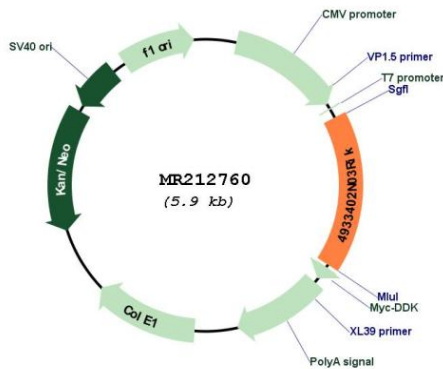
**RefSeq ORF:** 990 bp

**Locus ID:** 233918

**Cytogenetics:** 7 F3

**MW:** 38 kDa

**Product images:**



Circular map for MR212760