

## Product datasheet for **MR221740**

### Minos1 (NM\_001163006) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Minos1 (NM\_001163006) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Minos1  
**Synonyms:** 2310028O11Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR221740 representing NM\_001163006  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGAGTCCGAGCTGGGCAGAAAGTGGGACCGGTGCATGGCCGACACGGTCGTGAAGCTAGGTACTG  
GGTTTGGATTAGGAATTGTTTTCTCCCTCACCTCTTTAAGAGAAGAATGTGGCCATTAGCCTTTGGTTC  
TGGCGTGGGATTGGGAATGGCCTACTCCAAGTGCAGCATGACTTTCAGGCTCCGTATCTCTACATGGA  
AAATACGTCAAAGAGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR221740 representing NM\_001163006  
Red=Cloning site Green=Tags(s)  
MSESELGRKWDRCMADTVVKLGTFGLGIVFSLTFFKRRMWPLAFGSGVGLGMAYSNCQHDFQAPYLLHG  
KYVKEQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9026\\_d09.zip](https://cdn.origene.com/chromatograms/mm9026_d09.zip)

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001163006

**ORF Size:** 228 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\\_001163006.2](#), [NP\\_001156478.1](#)

**RefSeq Size:** 2566 bp

**RefSeq ORF:** 231 bp

**Locus ID:** 433771

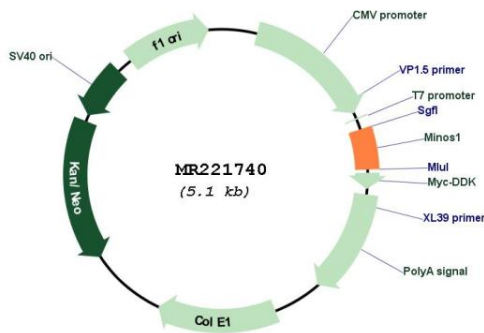
UniProt ID: Q7TNS2

Cytogenetics: 4 D3

MW: 9 kDa

Gene Summary: Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR221740