

## Product datasheet for MR201387

### 4833427G06Rik (NM\_177702) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** 4833427G06Rik (NM\_177702) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** 4833427G06Rik  
**Synonyms:** MGC58631  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201387 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGAACGGGGCCAGAGGCTGTCTAGCGGCAGGAAGGAATCCAGGAAATCTGCTCCCCTGGATTAC  
 TGGTGTTACCGGCTGCTCTGAGCAGGATGCCAATTTGGCTAAGCAGTTTTGGCTCGGGCGTCCATGTA  
 CCCCACTACCGAATCTCAGCTCGTGTGACCCGAGGCAGCAGTCAGAGGCTACCGGTGGCGCGGAATCT  
 AAAGTCGTTCTGAGAGAGAAAAGTTCTGTCCAGCCCTTTCCCTTTGATCAGGACAAGGATGCAATTATCT  
 TTGCTAAAGCCCAAAGGATTCAGGAATCTGAAGAGAGAGCAAAGTATCTCCAAAAGCCAAAACGCGAGA  
 TGAGATTCCTCAACTTTAAGGAAACAAAGAGAAGAAAGGATCTCGAAAGAACTGATTTTCATTACCTTAT  
 AAACCTAAGGACAAAGTGCCCAAATCAAAGGAAGTTTTATCAGAGTCAGGCCTAAGGGACCAAGAAGAAG  
 TCAAAGCCTTGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201387 protein sequence  
 Red=Cloning site Green=Tags(s)

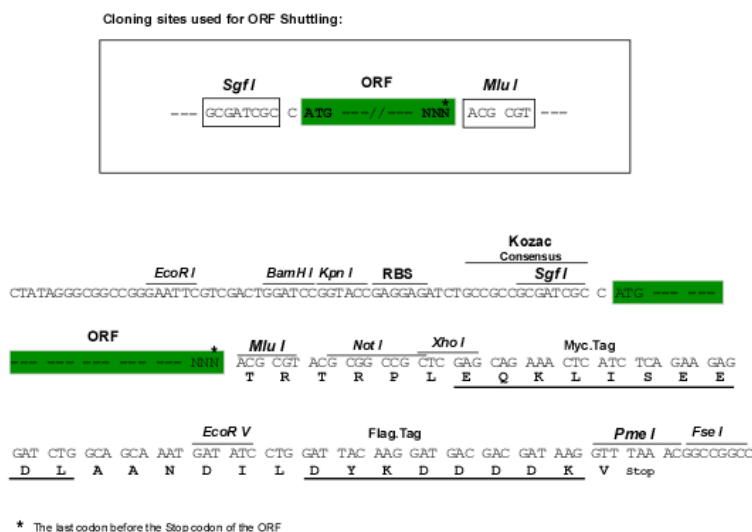
METGPRGCPSPGRKESQEICSPGLLVFTGCSEQDANLAKQFWLGASMYPTTESQLVLRGSSQRLPVARNS  
 KVVLRKSSVQPFQDKDAIIFAKAQRIQSEERAKYLQKAKTRDEILQLLRKQREERISKELISLPY  
 KPKDKVPKSKEVLSSEGLRDQEEVKALE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



Cloning Scheme:



ACCN: NM\_177702

ORF Size: 507 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\\_177702.4](#)

RefSeq Size: 805 bp

RefSeq ORF: 507 bp

Locus ID: 235345

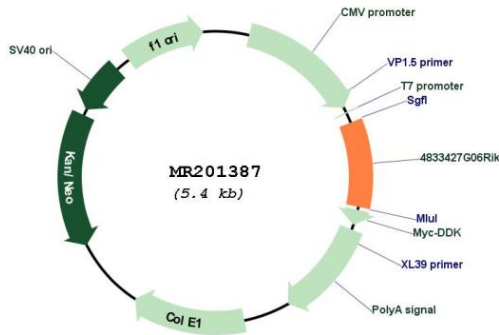
UniProt ID: [Q80Y73](#)

Cytogenetics: 9 A5.3

MW: 19.1 kDa

Gene Summary: Required for motile ciliogenesis and flagellar genesis by mediating the maturation of the glycolytic enzyme ENO4.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR201387