

## Product datasheet for MR201309

### Ybey (NM\_172550) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ybey (NM_172550) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ybey
Synonyms:	1110068N23Rik; A130042E20Rik; C21orf57; ORF57; ORF66
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR201309 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGAGTTTGGTGATTAATAATCTGCAGCGGGTGGTCCCATCAGAAGAGTGCCACTTCGCAGGAAGATGG  
 ATTTAGTCAGGAGTATCTTAGGAGTGAAGAAATTTGACCTGGGGATCATCTGTGTGACAACAAGACTAT  
 TCAGAACATTAATAGGATCTACAGGAATAAATGTCCCACTGACGTGCTTTCTTCTCATTTTCATGAG  
 AATCTGAAAGCTGGCGAATTTCTCAGCCACACTACCGGATGATTATAATCTGGGAGACATTTTCTAG  
 GGGTGGAGTACATTCTTCAGATTGCAGAGAAAGTGAGGATTACTGTGATGTCCTGACGGTCACAGCCAC  
 CCATGGACTCTGTACCTGCTGGGCTTACCCACAGCTCCAAAGCCGAGTGGCAAAAGATGTACAACCAG  
 GAGAAGCTGGTGTGGAGGACCTGAGCCGCTACACGGGAGCTAGGCTCCAACCCCTGAGCAGGGGCCTCT  
 AC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR201309 protein sequence Red=Cloning site Green=Tags(s)
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MSLVIKNLQRVPIRRVPLRRKMDLVRSILGVKKFDLGIICVDNKTIQINRIYRNKNVPTDVLFSFHE  
 NLKAGEFPQHPSPDDYNLGDIFLGVEYILQHCRESYEDVLTVTATHGLCHLLGFTHSSKAQWQKMYNQ  
 EKLVLDELSTRYTGARLQPLSRGLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:	SgfI-MluI
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## Cloning Scheme:



ACCN: NM\_172550

ORF Size: 492 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM\\_172550.2](#)

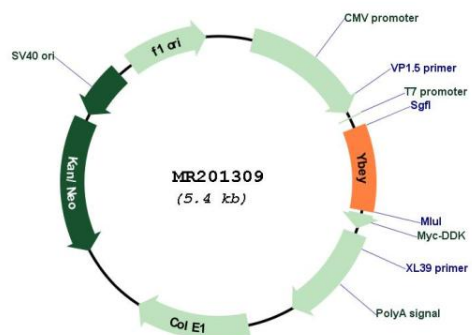
RefSeq Size: 4538 bp

RefSeq ORF: 495 bp

Locus ID: 216119

**UniProt ID:** Q8CAV0  
**Cytogenetics:** 10 C1  
**MW:** 19 kDa  
**Gene Summary:** Single strand-specific metallo-endoribonuclease involved in rRNA maturation.  
 [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR201309