

## Product datasheet for MR204314

### Ung (BC011039) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ung (BC011039) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ung
Synonyms:	UNG1, UNG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204314 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATCGGCCAGAAGACCCTATACTCTTTCTTCTCTCCGACCCACAGGGAAGCGGACCACGCGCAGCC  
CGGAGCCGGTCCCAGGGAGCGGAGTGCCGGCCGAGATCGGCGGCGATGCCGTGGCCAGCCCCGCAAGAA  
GGCCCGGGTGGAGCAGAACGAGCAAGGCTCGCCGCTCAGCGCCGAGCAGCTCGTCCGCATCCAGAGGAAC  
AAGGCCGCGCGCTGCTCAGGCTCGCCCGCCGCAACGTGCCTGCCGGCTTCGGCGAGAGCTGGAAGCAGC  
AGCTGTGCGGGGAGTTCGGGAAGCCGTAATTCGTCAAGCTAATGGGATTTGTTGCTGAAGAAAGGAACCA  
CCACAAGGTCTATCCGCCCCGGAGCAGGTGTTACATGGACCCAGATGTGCGACATCCGAGATGTGAAG  
GTTGTCTATTCTGGGACAGGATCCCTATCACGGACCTAATCAAGCTCACGGGCTCTGCTTCAGTGTCCAAA  
GACCAGTTCACCCCGCCAGTTTGGAAAACATTTTTAAAGAGCTGTCTACAGACATCGATGGTTTTGT  
TCATCCTGGCCATGGGGATTTGTGAGGGTGGGCCCAGCAAGGTGTCTCCTCCTCAACGCCGCTCCTCACT  
GTCCGCGCCACCAAGCCAATCCCATAAGGAGAGGGGCTGGGAGCAGTTCACGGACGCGGTGTCGTCTCT  
GGCTGAATCAGAACCTGAGTGGCCTCGTCTTCTCCTCTGGGGCTCTTATGCTCAGAAGAAGGGCAGTGT  
CATTGACAGGAAGCGTCACCATGTTCTGCAGACAGCTACCCCTCCCCGCTGTCGGTGCACAGAGGGTTC  
CTGGGATGCAGACATTTTCTAAAGCCAATGAAGTCTCCAGAAGTCTGGCAAGAAGCCCATCAACTGGA  
AGGAGCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204314 protein sequence  
 Red=Cloning site Green=Tags(s)

MIGQKTLYSFFSPTPTGKRTRTSPEVPVPGSGVAAEIGGDAVASPAKKARVEQNEQGSPLSAEQLVRIQRN  
 KAAALLRLAARNVPAGFGESWKQQLCGEFGKPYFVKLMGFVAEERNHHKVYPPEQVFTWTQMCDIRDVK  
 VVILGQDPYHGPNQAHGLCFVQRPVPPPSLENIFKELSTDIDGFVHPGHGDLSGWARQGVLLNAVLT  
 VRAHQANSHKERGWEQFTDAVSWLNQNL SGLVFLWGSYAQKKGSVIDRKRHHVLQTAHPSPSVHRGF  
 LGCRRHFSKANELLQKSGKKPINWKEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** BC011039

**ORF Size:** 918 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:** [BC011039](#), [AAH11039](#)

**RefSeq Size:** 2002 bp

**RefSeq ORF:** 920 bp

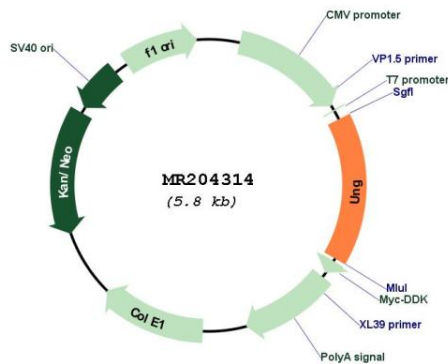
**Locus ID:** 22256

**Cytogenetics:** 5 F

**MW:** 33.9 kDa

**Gene Summary:** Excises uracil residues from the DNA which can arise as a result of misincorporation of dUMP residues by DNA polymerase or due to deamination of cytosine.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR204314