

Product datasheet for **MG223109**

Ung (NM_001040691) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ung (NM_001040691) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ung
Synonyms: UNG1; UNG2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223109 representing NM_001040691
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATCGGCCAGAAGACCCTATACTCTTTCTTCTCTCCGACCCACAGGGAAGCGGACCACGCGCAGCC
 CGGAGCCGGTCCCAGGGAGCGGAGTGCCGGCCGAGATCGGCGGCGATGCCGTGGCCAGCCCCGCAAGAA
 GGCCCGGGTGGAGCAGAACGAGCAAGGCTCGCCGCTCAGCGCCGAGCAGCTCGTCCGCATCCAGAGGAAC
 AAGGCCGCGCGCTGCTCAGGCTCGCCGCCGCAACGTGCCTGCCGGCTTCGGCGAGAGCTGGAAGCAGC
 AGCTGTGCGGGGAGTTCCGGAAGCCGTAATTCGTCAAGCTAATGGGATTTGTTGCTGAAGAAAGGAACCA
 CCAAGGCTATCCGCCCCGGAGCAGGTGTTACATGGACCCAGATGTGCGACATCCGAGATGTGAAG
 GTTGTCATTCTGGGACAGGATCCCTATCACGGACCTAATCAAGCTCACGGGCTCTGCTTCAGTGTCCAAA
 GACCAGTTCACCCCGCCAGTTTGGAAAACATTTTTAAAGAGCTGTCTACAGACATCGATGGTTTTGT
 TCATCCTGGCCATGGGGATTTGTCAGGGTGGGCCCACAAGGTGTCTCCTCCTCAACGCCGTCCTCACT
 GTCCGCGCCACCAAGCCAATCCCATAAGGAGAGGGGCTGGGAGCAGTTCACGGACGCGGTGTCGTCTCT
 GGCTGAATCAGAACCTGAGTGGCCTCGTCTTCTCCTCTGGGGCTCTTATGCTCAGAAGAAGGGCAGTGT
 CATTGACAGGAAGCGTCACCATGTCTGCAGACAGCTCACCCCTCCCCGCTGTCGGTGCACAGAGGGTTC
 CTGGGATGCAGACATTTTCTAAAGCCAATGAAGTCTCCAGAAGTCTGGCAAGAAGCCCATCAACTGGA
 AGGAGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223109 representing NM_001040691
 Red=Cloning site Green=Tags(s)

MIGQKTLYSFFSPTPTGKRTRTSPEVPVPGSGVAAEIGGDAVASPAKKARVEQNEQGSPLSAEQLVRIQRN
 KAAALLRLAARNVPAGFGESWKQLCGEFGKPYFVKLMGFVAEERNHHKVYPPEQVFTWTQMCDIRDVK
 VVILGQDPYHGPNQAHLGFCFSVQRPVPPPSLENIFKELSTDIDGFVHPGHGDLSGWARQGVLLLNAVLT
 VRAHQANSHKERGWEQFTDAVVSWLNQNL SGLVFLWGSYAQKKGSVIDRKRHHVLQTAHPSPLSVHRGF
 LGCRRHFSKANELLQKSGKKPINWKEL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001040691

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: [NM_001040691.1](#), [NP_001035781.1](#)

RefSeq Size: 1934 bp

RefSeq ORF: 921 bp

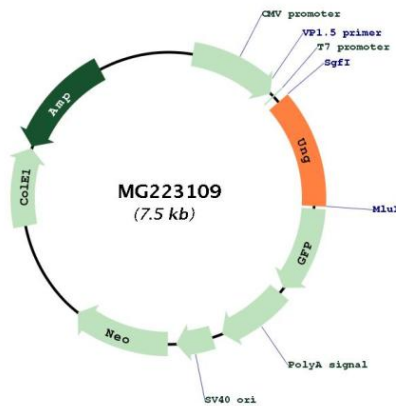
Locus ID: 22256

UniProt ID: [P97931](#)

Cytogenetics: 5 F

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 MG223109