

Product datasheet for MR223109

Ung (NM_001040691) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ung (NM_001040691) 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: >MR223109 representing NM_001040691
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATCGGCCAGAAGACCCTATACTCTTTCTTCTCTCCGACCCACAGGGAAGCGGACCACGCGCAGCC
 CGGAGCCGGTCCCAGGGAGCGGAGTGGCGGCCGAGATCGCGGCGATGCCGTGGCCAGCCCCGCAAGAA
 GGCCCGGGTGGAGCAGAACGAGCAAGGCTCGCCGCTCAGCGCCGAGCAGCTCGTCCGCATCCAGAGGAAC
 AAGGCCGCGCGCTGCTCAGGCTCGCCGCCGCAACGTGCCTGCCGGCTTCGGCGAGAGCTGGAAGCAGC
 AGCTGTGCGGGGAGTTCGGGAAGCCGTAATTCGTCAAGCTAATGGGATTTGTTGCTGAAGAAAGGAACCA
 CACAAGGTCTATCCGCCCCGGAGCAGGTGTTACATGGACCCAGATGTGCGACATCCGAGATGTGAAG
 GTTGTCATTCTGGGACAGGATCCCTATCACGGACCTAATCAAGCTCACGGGCTCTGCTTCAGTGTCCAAA
 GACCAGTTCACCCCGCCAGTTTGGAAAACATTTTTAAAGAGCTGTCTACAGACATCGATGGTTTTGT
 TCATCCTGGCCATGGGGATTTGTCAGGGTGGGCCGACAAGGTGTCTCCTCCTCAACGCCGTCCTCACT
 GTCCGCGCCACCAAGCCAATCCCATAAGGAGAGGGGCTGGGAGCAGTTCACGGACGCGGTGTCGTCTCT
 GGCTGAATCAGAACCTGAGTGGCCTCGTCTTCTCCTCTGGGGCTCTTATGCTCAGAAGAAGGGCAGTGT
 CATTGACAGGAAGCGTCACCATGTCTGCAGACAGCTCACCCCTCCCCGTGTCGGTGCACAGAGGGTTC
 CTGGGATGCAGACATTTTCTAAAGCCAATGAAGTCTCCAGAAGTCTGGCAAGAAGCCCATCAACTGGA
 AGGAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223109 representing NM_001040691
 Red=Cloning site Green=Tags(s)

MIGQKTLYSFFSPTPTGKRTRTSPEVPVPGSGVAAEIGGDAVASPAKKARVEQNEQGSPLSAEQLVRIQRN
 KAAALLRLAARNVPAGFGESWKQQLCGEFGKPYFVKLMGFVAEERNHHKVYPPEQVFTWTQMCDIRDVK
 VVILGQDPYHGPNQAHLGCFVQRPVPPPSLENIFKELSTDIDGFVHPGHGDLSGWARQGVLLNAVL
 VRAHQANSHKERGWEQFTDAVSWLNQNLNQLSGLVFLWGSYAQKKGSVIDRKRHHVLQTAHPSPSVHRGF
 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: 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

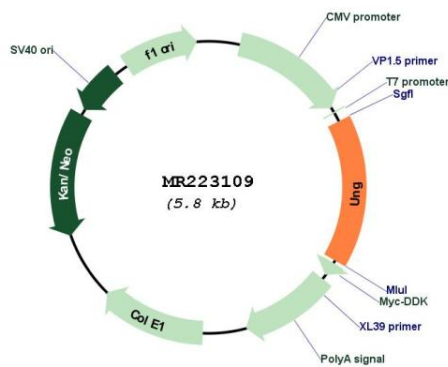
UniProt ID: [P97931](#)

Cytogenetics: 5 F

MW: 34.4 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 MR223109