

## Product datasheet for **VC101050**

### uracil DNA glycosylase (NC\_009334) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	uracil DNA glycosylase (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	uracil DNA glycosylase
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101050 represents NCBI reference of YP_001129473 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCATCAAGAGGACTGGATCTGTGGCTCGATGAACATGTGTGGAAACGGAAGCAAGAGATTGGCGTAA  
AAGGCGAAAATCTCCTCCTGCCAGACCTGTGGCTTGACTTCTGCAGCTCTACCCATATTCCAGAGGAA  
ACTGGCCGCTGTTATCGCCTGTGTGAGGCGCCTGAGAAGCTCAGGCAACTGTCTATCCGGAGGAAGATATG  
TGTATGGCTTGGCCAGATTTTGTGATCCCAGCGACATCAAGTTGTAATCCTGGGACAGGATCCCTATC  
ATGGAGGCGAGGCTAATGGGCTTGCGTTCTCCATCGCCTACGGGTTCCCTGTACCCCTTCACTTAGAAA  
TATCTACGCAGAACTCCATCGCTCACTGCCGAATTTAGTCCCCCTGATCATGGGTGTCTGGACGCATGG  
GCATCACAGGGAGTATTGCTCCTGAACACAATTCTGACAGTGCAAAAGGGCAAGCCGGTTCTCATGCAG  
ACATCGGCTGGGCTGGTTCCTGACTGACCAGTTATCAGCCTCCTGTCTGAGCGCCTGAAGGCTGCGTGT  
CATGCTCTGGGGCGCTAAGGCAGGAGACAAGGCTTCTTTGATCAACAGTAAAAAGCATCTCGTGCTGACC  
TCTCAGCATCCTTCTCCTTGGCCAGAATTCCTAGGAAAAGCGCACAGCAGAAGTTCCTGGGTAATA  
ACCATTTTGTACTCGCTAACAAATTCCTTCGCGAGAAGGGCTGGGCGAAATCGACTGGCGGCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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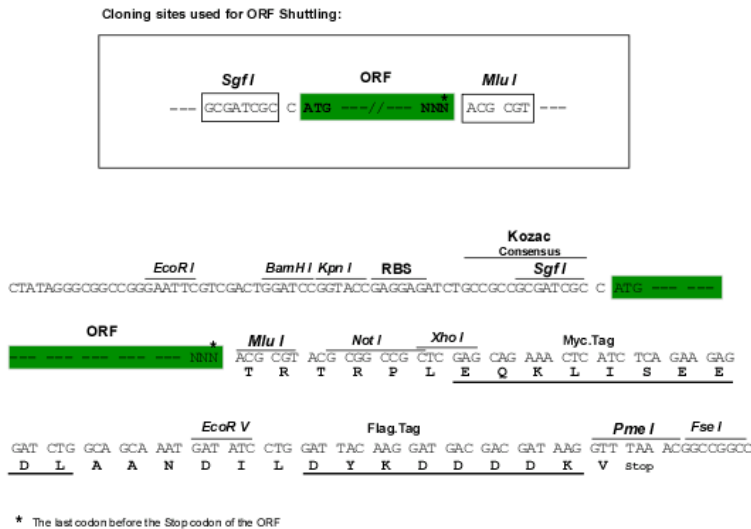
**Protein Sequence:** >VC101050 representing YP\_001129473  
 Red=Cloning sites Green=Tags

MASRGLDLWLDEHVWKRKQEIGVKGENLLL PDLWDFLQLSPIFQRKLA AVIACVRRRLRTQATVYPEEDM  
 CMAWARFCDPDIKVVILGQDPYHGGQANGLAFS IAYGFPVPPSLRNIYAELHRSLEPFSPDHGCLDAW  
 ASQGVLLLNTILTVQKGP GSHADIGWAWFTDHVISLLSERLKACV FMLWGAKAGDKASLINSKKHLVLT  
 SQHPSPLAQNSTRKSAQQKFLGNNHFVLANNFLREKGLGEIDWRL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_009334

**ORF Size:** 765 bp

**OTI Disclaimer:** The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a Myc-DDK tag.

**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: [NC\\_009334.1](#), [YP\\_001129473](#)  
RefSeq ORF: 765 bp  
Locus ID: 5176162  
MW: 28.6 kDa