

## Product datasheet for **VC100933**

### US8 (NC\_001798) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	US8 (NC_001798) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	US8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>The Viral ORF clone VC100933 represents NCBI reference of NP\_044538 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCCAGGGGAGCAGGGTTGGTCTTCTCGTGGCGGTGGGTGGTTTCATGTCTGGCTGCCGCCCCAC  
GCACAAGCTGGAAGAGGGTGACATCCGGAGAAGACGTCGTGTTGCTGCCAGCTCCCGCGGAGCGGACGAG  
GGCGCATAAGCTGCTTTGGGCGGCTGAGCCATTGGATGCATGTGGCCCTCTGAGGCCATCTTGGGTGCT  
CTGTGGCCCCAAGGCGCGTGTGGAGACAGTGGTTGATGCCGCTGTATGAGAGCACCAGAACCTCTGG  
CCATTGCCTATCCCGCCCTCCCGCCGGGACGAGGGCCTTATAGCGAATTGGCGTGGCGGGATAG  
AGTTGCAGTCGCAATGAGAGTCTCGTATATATGGCCCTTGAGACCGATAGCGGTCTGTACACTG  
TCCGTCGTGGCCTGTCAGATGAGGCCCGCAAGTGGCAAGCGTTGTTCTGGTGGTTGAGCTGCCCTG  
TGCTACGCCACCCCTGACGACTATGATGAGGAAGACGACGCCGGAGTGACCAATGCGCGCAGGAGCGC  
GTTCCACACAGCCCCCAAGAAGACTCCTGTAGCCCCCTACCCACCCAGGGTATCCCTGAA  
GTTTCTCATGTGCGGGGTGTTACTGTGCACATGAAAACACTCGAAGCAATTCTCTTTGCGCCCGGCGAGA  
CCTTTGGCACAACGTGTCCATCCACGCCATCGCTCACGACGACGGACCATACCGGATGGATGTAGTTTG  
GATGCGCTTTGATGTCCCAGCAGCTGTCCGATATGAGAATATATGAAGCCTGTCTGTACCACCCACAG  
CTGCCGGAGTGCCTGAGCCCTGCAGATGCACCATGCGCCGTCAGTTCTTGGGCTTACCGCTTGGCTGTC  
GATCCTATGCTGGATGTTCAAGGACAACCCCGCCACCCCGCTGTTTTGCTGAAGCACGCATGGAACCACT  
TCCCGGCTGGCGTGGCTCGCAAGCACGGTCAATCTGGAGTTCAGCACGCCCTCACCTCAGCACGCGAGGG  
CTGTACCTGTGCGTGGTCTATGTGACGACCACATCCATGCCTGGGGGCATATGACCATCAGTACTGCCG  
CACAATATCGAAATGCCGTCGTAGAACAGCACCTGCCCAAGGCAGCCTGAGCCGGTTCGAGCCTACACG  
CCCCATGTCAGGGCTCCCCACCCAGCCCTTCTGCACGCGGGCCACTCAGATTGGGTGCTGTATTGGGA  
GCTGCCCTTCTTGGCGGCTCTCGGATTGAGCGCATGGGCTGCATGACATGCTGGCGAAGAAGGTCAT  
GGAGAGCCGTTAAGTCCCAGCCAGTGCACAGGGCCAACGTACATCAGGGTTGCAGATCCGAGCTCTA  
CGCTGACTGGTCCAGCGACTCCGAGGGAGAACGGGACGGGAGCCTCTGGCAGGACCCTCCCGAACCCCT  
GACTCCCCAGTACAACGGATCAGGATTCGAAATCCTGAGTCCAACCGCTCCCTCCGTATATCCTCACT  
CTGAAGGTCGGAAGAGCCGGCGGCCCTGACTACGTTCCGGAGTGGGAGCCCCGGGAGACACACAGTCA  
GGCTAGTTACCCAGCGTCTCTGG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100933 representing NP\_044538

Red=Cloning sites Green=Tags

MARGAGLVFFVGVVWVVSCLAAAPRTSWKRVTSGEDVVLLPAPAERTRAHKLLWAAEPLDACGPLRPSWVA  
LWPPRRVLETVVDAAACMRAPEPLAIAYSPPFPAGDEGLYSELAWRDRVAVVNESLVIYGALETDSGLYTL  
SVVGLSDEARQVASVVLVVEPAPVPTPTDDYDEEDDAGVTNARRSAFPQPFRPPVAPPTHPRIPE  
VSHVRGTVHMETLEAILFAPGETFGTNVSIHAIHDDGPYAMDVWVWRFDVPSSCADMRIYEACLYHPQ  
LPECLSPADAPCAVSSWAYRLAVRSYAGCSRTTTPPRCF AEARMEPVPLAWLASTVNLEFQHASPQHAG  
LYLCVVYVDDHIHAWGHMTISTAAQYRNAVVEQHLRQRPPEPVEPTRPHVRAPHPAPSARGPLRLGAVLG  
AALLLAALGLSAWACMTCWRRRSWRAVKSRSASATGPTYIRVADSEL YADWSSDSEGERDGLWQDPPERP  
DSPSTNGSGFEILSPTAPSVYPHSEGRKSRRPLTTFGSGSPGRRHSQASYPSVLW

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_001798

**ORF Size:** 1635 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\\_001798.1](#), [NP\\_044538](#)

**RefSeq ORF:** 1635 bp

**Locus ID:** 1487360

**MW:** 59.3 kDa