

## Product datasheet for **VC100856**

### US8 (NC\_001806) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	US8 (NC_001806) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	US8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>The Viral ORF clone VC100856 represents NCBI reference of NP\_044670 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATCGAGGTGCCGTTGTGGGATTTTGTGGGAGTCTGCGTTGTGTCATGCCTTGCCGGGACCCCAA  
 AAAGTAGCTGGCGGAGGGTGTCTGTAGGAGAGGATGTCTCACTCCTTCCAGCTCCAGGCTCACCAGGCG  
 CGGACCAACCCAGAAGCTTCTGTGGGCTGTTGAACCCCTTGACGGCTGCGGGCTCTCCACCCCTCATGG  
 GTGTCCCTGATGCCCCCTAAGCAGGTCCCCGAACTGTCGTGGACGCGGCATGCATGCGGGCTCCTGTT  
 CCCTTGCATGGCATAATGCGCCACCTGCACCTCAGCAACTGGCGGTTTGCACACAGATTTGTGTGGCA  
 GGAGCGAGCTGCCGTTGGAATCGGAGCCTGGTATCCACGGGTGAGAGAGACCGATAGCGGGCTGTAT  
 ACGCTGAGCGTTGGTACATCAAGGACCCCGCCAGACAGGTGGCCTCTGTGGTGTGTCGTCACAGCTG  
 CTCAGTGCCTACCCCCCTCTACACCAGCTGATTATGACGAAGACGATAACGACGAAGGGGAGGATGA  
 GAGCCTGGCAGGGACCCCGCTAGCGGAACACCTCGACTGCCCCCTCCTCTGCTCCTCCAGCTCCTGG  
 CCATCAGCACCTGAGGTGTCCCATGTGAGGGGGTTACTGTAAGAATGGAACACCCGAGGCAATTCTGT  
 TTAGCCCAGGCGAGACATTCACTACTAATGTGTCTATCCACGCCATTGCCACGACGACCAGACCTACTC  
 AATGGATGTGGTTTGGCTCCGCTTTGACGTACCCACCTTTGCGCCGAGATGAGAATCTACGAAAGTTGT  
 CTGTACCACCCAGCTCCCTGAGTGTCTCAGTCTGCCGATGCCCTTGGCGTCTAGCACCTGGACCA  
 GTCGGCTGGCAGTTCCGAGTTACGCCGGCTGTTCCCGAACTAACCTCCTCCAGGTGTAGCGCAGAAGC  
 TCACATGGAGCCCGTTCTGGACTTGCCTGGCAGGCTGCCTCTGTCAACTTGAATTTAGAGATGCATCT  
 CCACAGCATTCTGGTTTGTACTTGTGCGTGGTATACGTGAATGATCACATCCACGCTTGGGGCCATCA  
 CTATCAGCACCGCTGCTCAGTACAGGAATGCAGTTGTCGAGCAACCTCTGCCCCAGCGCGGAGCTGATCT  
 TGCCGAGCCCACTCACCTCATGTGGGCGACCCCCACGCTCCTCCTACACATGGCGCTCTGAGATTG  
 GGCGTGTATGGGTGCCGCCCTGTGCTCTCCGCTCTCGGCTTGAAGTGTCTGGGCTGCATGACGTGTT  
 GGCGGAGAAGAGCCTGGAGAGCTGTCAAATCCCGGGCCTCCGGCAAAGGCCCTACTTACATCAGGGTGGC  
 GGATAGCGAGCTGTACGCCGACTGGTCTCTGACTCCGAAGGTGAACGAGACCAGGTGCCCTGGCTGGCT  
 CCACCCGAGAGACCAGACAGTCCAGCACCAACGGGTCTGGATTTCGAGATCTTGAAGCCACCGCACCTA  
 GTGTATATCCGCAAGCGATGGTACCAGTCCAGGCGACAACCTGACCACGTTCCGGCTCCGGCCGACCCGA  
 CAGGCGCTACAGCAAGCCTCCGATTCAAGCGTGTCTGG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100856 representing NP\_044670  
 Red=Cloning sites Green=Tags

MDRGAVVGFLLVGVVSLAGTPKTSWRRVSVGEDVSLLPAPGPTGRGPTQKLLWAVEPLDGCGLHPSW  
 VSLMPPKQVPETVVDAACMRAPVPLAMAYAPPAPSATGGLRDFVWQERAAVNRSLVIHGVRETDGLY  
 TLSVGDIKDAPARQVASVVLVVQPAPVPTPPPTADYDEDDNDEGEDESLAGTPASGTPRLPPPAPPRSW  
 PSAPEVSHVRGVTVRMETPEAILFSPGETFSTNVSIIHAIHDDQTYSDVVWLRFDVPTSCAEMRIYESC  
 LYHPQLPECLSPADAPCAASTWTSRLAVRSYAGCSRTNPPRCSAEAHMEPVPLAWQAASVNLFRDAS  
 PQHSGLYL CVVYVNDHIHAWGHITISTAAQYRNAVVEQPLPQRGADLAEPHHPVGHAPPHAPTHGALRL  
 GAVMGAALLLSALGLSVWACMTCWRRRAWRAVKSRSASGKGPTYIRVADSELADWSSDSEGERDQVPWLA  
 PPERPDPSTNGSGFEILSPTAPSVYPRSDGHQSRRLTTFGSGRPDRRYSQASDSSVFW

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_001806

**ORF Size:** 1650 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\\_001806.1](#), [NP\\_044670](#)

**RefSeq ORF:** 1650 bp

**Locus ID:** 2703448

**UniProt ID:** [P04413](#)

**MW:** 59.1 kDa