

## Product datasheet for **VC102208**

### NS5a (NC\_009824) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NS5a (NC_009824) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NS5a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>The Viral ORF clone VC102208 represents NCBI reference of YP\_001491556 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCCGATGATTGGCTCAGGACCATCTGGGACTGGGTCTGCAGTGTGCTTGCCGACTTTAAGGCCTGGC  
TCAGTGCTAAGATCATGCCGGCTCTTCTGGCCTGCCCTTCATTTCTGCCAGAAAGGGTACAAGGGAGT  
CTGGAGAGGGCAGCGGGTTATGAGCACGCGATGCCCATGCGGCGCGGCAATCACAGGCCACGTTAAAAAT  
GGCTCAATGAGACTGGCTGGACCCCGCACTTGCACAAATATGTGGCACGGCACATTCCCTATAAATGAGT  
ATACTACCGGCCCTCCACCCCTGCCCAAGCCAAACTACACCAGAGCTCTGTGGAGGGTGCAGCGCAA  
TTCATATGTGGAGGTGAGGAGAGTGGGGACTTCACTACATCACAGGCGCAACTGAAGACGAACTGAAA  
TGCCCGTGCCAGGTTCCCGCCCGGAGTTTTTACAGAGGTGACGGAGTAAGACTGCACCGGTACGCC  
CTCCATGCAAGCCACTGTTGCGGGACGACATTACTTTTATGGTAGGACTCCATTCTATACAATCGGATC  
ACAACTTCTTGGGAGCCAGAACCAGATGTGTCGGTGTGACAAGTATGCTCCGAGATCCATCCCATATT  
ACCGCTGAGACAGCCGCTAGACGGCTGGCCCGGGCAGTCTCCAGCGAGGCAAGTAGTTCTGCAAGTC  
AACTGTCTGCACCTCCCTCAAGGCCACTTGTGACAGCCACCGGCCTCACCTGATGCCGAGCTGGTTGA  
CGCCAACCTTCTTTGGCGCAGGAGATGGGTAGTAATATTACCGAGTGGAACTGAGACTAAAGTAGTC  
GTCTTGGACTCCTTGAACCTCTGAGAGCAGAAACAGACGATGTGAGCCAAGTGTGGCCCGAATGTT  
TTAAGAAGCCACCAAAATATCCCTGCGCTCCCATTTGGGCTCGGCCGACTACAACCCACTCCT  
GGATAGGTGGAAGGCTCCCGACTATGTCCCTTACGGTTCACGGTGTGCTCTGCCTCTCGAGGAGCT  
CCTCCTGTCCCTCCTCCAGGCGCAAAGGACCATTCAACTGGACGGGAGTAACGTGAGCGCCGCACTTG  
CCGCTTGGCAGAGAAATCTTTTCTTCCAGTAAGCCACAGGAAGAGAACAGTAGCTCCAGCGGGGTAGA  
TACTCAAAGCTCCACCACATCTAAAGTTCTCCTTCTCCTGGCGGTGAGAGTGACTCCGAGTCATGTTCA  
TCCATGCCCCGTTGGAAGGGGAGCCCGGTGACCTGATCTGAGTTGCGACAGTTGGTCCACAGTATCTG  
ACAGTGAAGAGCAGAGTGTAGTGTGCTGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC102208 representing YP\_001491556

Red=Cloning sites Green=Tags

MSDDWLRTIWDWVCSVLADFKAWLSAKIMPALPGLPFISQKGYKGVWRGDGVMSTRPCGAAITGHVKN  
GSMRLAGPRTCANMWHGTFPINEYTTGPSTPCSPNYTRALWRVAANSYVEVRRVGFHYITGATEDELK  
CPCQVPAEEFFTEVDGVRLHRYAPPCKPLLRDDITFMVGLHSYTIQSPLPCEPEPDVSVLTSMLRDP  
SHITAEARRLARGSPPEASSASQLSAPSLKATCQTHRPHDAELVDANLLWRQEMGSNITRVESETKV  
VLDSFEPLRAETDDVEPSVAAECFKKPPKYPPALPIWARPDYNPPLLDLDRWKAPDYVPPTVHGCALPP  
RGA PPVPPRRKRTIQLDGSNVSAALAAAEKSFPSKPEENSSSSGVDTQSSTTSKYPPSPGGESESCS  
SMPPLEGEPDPLSCDSWSTVSDSEEQSVVCC

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_009824

**ORF Size:** 1359 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\\_009824.1](#), [YP\\_001491556](#)
**RefSeq ORF:** 1359 bp

**MW:** 49.2 kDa