

## Product datasheet for **VC102209**

### **NS5b (NC\_009824) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NS5b (NC_009824) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NS5b
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 VC102209 represents NCBI reference of YP\_001491557 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCATGTCTTACTCCTGGACTGGCGCCTGATTACACCCTGTCTGCCGAAGAGGAGAACTGCCGA  
 TATCCCCGCTGAGCAATCCCTGCTGCGCACCATAACCTCGTGTATAGCACCTCCTCTCGAAGTGCCCTC  
 CCAGCGCCAGAAGAAAGTACTTTCGATCGACTCCAGGTGCTTGACGACCACTACAAGACGGCACTCAAA  
 GAAGTGAAGGAACGAGCCAGTAGGGTTAAGGCTCGCATGCTGACAATTGAAGAGGCATGTGCACTTGTTCC  
 CCCCACAGTGCAGATCAAAATTTGGTTATTACGCCAAAGACGTACGGAGCCTTCTCCAGGGCCAT  
 AAACCAGATCAGGTCCGTTTGGGAAGATCTGCTCGAGGATACAACAACCCCCATCCCGACTACCATAATG  
 GCCAAGAATGAGGTGTTCTGCGTTGATCCTGCTAAAGGCGGTAGGAAGCCTGCCAGGCTTATCGTTTATC  
 CTGACTTGGGAGTTCGGGTGTGTGAGAAAAGACTGTATGACGTGATCCAAAAGCTTTCTATCGAGAC  
 CATGGGTCCCCTATGGGTTCCAGTATCCCCTCAGCAAAGGTCGAACGCCTTCTCAAGATGTGGACC  
 TCCAAGAAGACCCCACTCGGATTCTCTATGACACTCGCTGTTTTGACTCTACCGTGACCGAACAGGACA  
 TCAGGGTGAAGAAGAAATCTACCAAGTGTCAATCTGGAACAGAGGCACGGAAGGTGATTTCTCACT  
 GACAGAGAGACTTTATTGCGGAGGCCAATGTTCAATAGCAAAGGCGACAATGTGGATACCGGAGGTGT  
 AGAGCGTCCGGAGTGTGCCACCAGCTTCGGAACACTATAACATGTTACATTAAGGCTACAGCGGCCG  
 CCAAAGCAGCTAATCTTAGGAACCCGATTTCTCGTGTGCGGTGACGATCTCGTGGTTGTGGCTGAGTC  
 CGACGGCGTGCATGAAGATCGCGCCGCTTTCGCGCATTCACTGAAGCTATGACGCGATACTCTGCTCCA  
 CCTGGTGACGCTCCACAGGCTACATATGACCTCGAACTCATTACCTCTGTTCTCCAACGTATCAGTCCG  
 CCAGGGACGACAAAGGGAGAAGATACTACTTACTTAGGGACGCTACAACGCCATTGGCCCGCGCCGC  
 CTGGGAGACCGCAAGACACACCTGTCAATCTTGGCTTGGCAACATAATCATGTACGCTCCTACCATT  
 TGGGTTAGGATGGTGTGATGATGACCCACTTTTTTCCATTCTGCAGTCACAGGAGATATTGGATCGCCAC  
 TTGACTTTGAGATGTACGGAGCCACATATAGCGTAACACCCTGGATCTTCCGGCTATTATTGAACGGCT  
 CCATGGCTGTCCGCTTACTCTGCATAGTTACAGTCTGTGGAGCTCAACAGGGTCGCGGGGACTCTC  
 AGGAAGCTGGGGTGTCCACCCCTGAGAGCGTGGAGGCACCGCCAGAGCAGTAAGGGCCAAAGTGTGCG  
 CTCAGGGAGGCAAGGCCAAAATCTGCGGTCTCTACCTGTTAATTGGGCCGTAAGGACGAAAACCACT  
 CACACCTCTGCTGCTGGCCAGCTGGACCTGAGCAGCTGGTTCACAGTGGGAGTGGGAGGAAATGAC  
 ATCTACCATTCCGTGCTCGGGCCGGACAAGGCATCTGCTCTTGTGCTCTGCTGCTTACTGTAGGTG  
 TCGGAATCTTTCTGCTCCAGCCAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC102209 representing YP\_001491557  
 Red=Cloning sites Green=Tags

MMSYSWTGALITPCSAEEEEKLPI SPLSNLLRHHNLVYSTSSRSASQRQKVTFDRLQVLDDHYKTALK  
 EVKERASRVKARMLTIEEACALVPPHSARSKFGYSAKDVRSLSSRAINQIRSVWEDLLEDTTPIPTTIM  
 AKNEVFCVDPAGGRKPARLIVYDPLGVRVCEKRALYDVIQKLSIETMGPAYGFQYSPQQRVERLLKMW  
 SKKTPLGFSYDTRCFDSTVTEQDIRVEEIIYQCCNLEPEARKVISSLTERLYCGGPMFNSKGAQCGYRRC  
 RASGVLPTSFNGTITCYIKATAAANAANLRNPDFLVCGDDL VVVAESDGVDEDRALRAFTEAMTRYSAP  
 PGDAPQATYDLELITSCSSNVSVARDKGRYYL TRDATTPLARA AWETARHTPVNSWLNIIIMYAPTI  
 WVRMVMTHFFSILQSQEILDRPLDFEMYGATYSVTPDLPAI IERLHGLSAFTLHSYSPVELNRVAGTL  
 RKLGCPLRAWHRARAVRAKLI AQGGKAKICGLYLFNWAVRKTNL TPLPAAGQLDLSSWFTVGVGGND  
 IYHSVSRARTRHLLLCLLLLTVGVGIFLLPAR

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



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

**ACCN:** NC\_009824

**ORF Size:** 1776 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\\_001491557](#)
**RefSeq ORF:** 1776 bp

**MW:** 66.2 kDa