

Product datasheet for VC102222

NS4B protein (NC_004102) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NS4B protein (NC_004102) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NS4B protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102222 represents NCBI reference of NP_751926 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTCTCAACACCTCCCCTACATAGAACAAGGGATGATGCTGGCTGAGCAATTTAAGCAGAAAGCCCTCG
GACTGTTGCAAACCTGCGTCTCGGCAGGCTGAAGTTATCACCCCGCAGTCCAGACTAACTGGCAGAAACT
CGAGGTGTTCTGGGCAAGCATATGTGGAATTTTCATCTCCGGCATTTCAGTATCTTGACAGGCTTAGTACT
CTGCCTGGAAACCCGGCCATCGCTTCTCTGATGGCCTTCACAGCCGCGGTTACATCCCCACTGACCACCG
GTCAGACCTTGCTGTTCAATATACTGGGTGGCTGGGTGGCTGCTCAGCTGGCAGCTCCTGGGCGAGCCAC
TGCAATTTGTAGGGCAGGCCTTGCCGGGCTGCTATCGGTTCTGTAGGACTGGGAAAGTACTCGTAGAT
ATTCTGGCCGGATACGGGCTGGGTAGCCGGAGCCCTCGTGGCTTTTAAGATTATGTCTGGCGAGGTTCC
CCTCCACCGAGGATCTGGTGAATCTTCTGCCGGCCATTTTGTAGTCTGGCGCTCTCGTAGTTGGAGTGGT
GTGCGCTGCCATTCTCCGGAGACACGTTGGCCCGGAGAAGGGGCTGTCCAATGGATGAACCGGCTCATC
GCATTGCTCTCGAGGCAACCACGTGTCTCTACCCATTACGTCCAGAATCTGACGCTGCCGCCAGGG
TAACCGCCATCTTGAGCAGCCTGACGGTACTCAACTGCTGAGAAGACTGCATCAGTGGATTTCAAGTGA
GTGTACAACCCCATGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC102222 representing NP_751926
 Red=Cloning sites Green=Tags

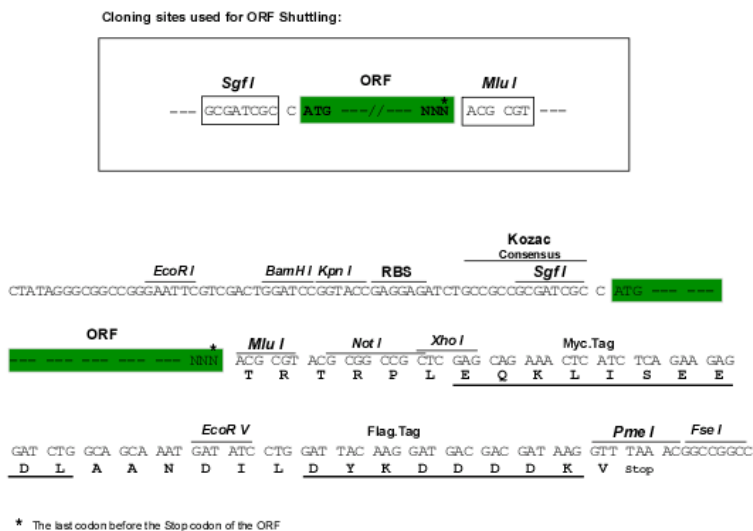
MSQHLPYIEQGMLAEQFKQKALGLLQTASRQAEVITPAVQTNWQKLEFWAKHMMWNFISGIQYLAGLST
 LPGNPAIASLMAFTA AVT SPTLTTGQTLTFNILGGWVAAQLAAPGAATAFVGAGLAGAAIGSVGLGKVLVD
 ILAGYGAGVAGALVAFKIMSGEVPSTEDLVNLLPAILSPGALVGVVCAAILRRHVGPGEAVQWMNRLI
 AFASRGNHVSPTHYVPESDAAARVTAILSSLTVTQLLRRLLHQWISSECTTPC

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8100_c06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NC_004102

ORF Size: 786 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_004102.1](#), [NP_751926](#)

RefSeq ORF: 786 bp

MW: 27.3 kDa