

## **Product datasheet for VC102114**

## 3B (VPg) (NC 001490) Virus Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: 3B (VPg) (NC\_001490) Virus Tagged ORF Clone

Tag:Myc-DDKSymbol:3B (VPg)Mammalian CellNeomycin

Selection:

**Vector:** pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide >The Viral ORF clone VC102114 represents NCBI reference of NP\_740523 with codon

Sequence: optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGGCCCCTATAGCGGGAACCCTCCACACAACAAGTTGAAAGCACCTACACTGAGACCCGTCGTCGTGC

AG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC102114 representing NP\_740523

Red=Cloning sites Green=Tags

 ${\tt MGPYSGNPPHNKLKAPTLRPVVVQ}$ 

**TRTRRL**EQKLISEEDLAANDILDYKDDDDK**V** 

**Restriction Sites:** Sgfl-Mlul



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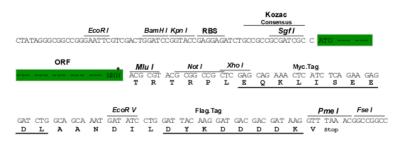
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## **Cloning Scheme:**





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NC\_001490

ORF Size: 72 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 001490.1, NP 740523

RefSeq ORF: 72 bp





**MW:** 2.6 kDa