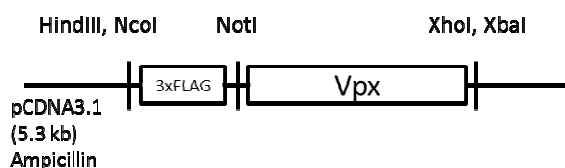


## Centre for AIDS Reagents – Data Sheet

**PRODUCT NAME:** pcDNA3.1 3xFLAG SIV RCM Vpx

**REPOSITORY REFERENCE:** #100 143

**DESCRIPTION:** Vpx sequence from SIV RCM (NG411) cloned into pcDNA3.1 vector between NotI site at 5' end and either XbaI or XhoI site at 3' end. The vector contains a 3xFLAG tag that is in-frame with the N-terminus of each Vpx gene. Ampicillin resistant.



**VECTOR:** pcDNA3.1

**INSERT:** SIV RCM Vpx

Protein sequence

MDYKDHDGDYKDHDIDYKDDDDKGAAMAEGRERVPEPTGAGDVEFAPWLHRMLTEVNLEARLHFHPEFIFRLWRTCVE  
HWHDRLGSRLEYAGRYRLLLMQKALFIHCQSGCSQRHGQGQAREAGERIQILPGM\*

DNA sequence (human codon optimized)

TTAAGCTTAGCCACCATGGACTACAAGGACCACGACGGCGACTACAAGGACCACGACATCGACTACAAGGACGACGACG  
ACAAGGGGGCGGCCGCTATGGCTGAAGGAAGAGAGAGAGTCCCCGAGGCACCCACTGGAGCTGGAGATGTCGAGTTCCG  
CCCCCTGGCTGCACAGAATGCTGACCGAGGTGAACCTGGAAGCCCGGCTGCACTTCCATCCCGAGTTCATCTTTCGGCTGT  
GGAGAACCTGCGTCAACACTGGCATGACAGGCTGGGACGCTCTCTGGAGTACGCAGGCTACCGGTACCTGCTGCTGAT  
GCAGAAGGCTCTGTTTATTCACTGCCAGAGCGGCTGTCCAGAGACACGGACAGGGACAGGCTAGAGAGGCCGGGGA  
ACGGATTGAGATTCTGCCAGGGATGTAACCTCGAGTCTAGA

**BACTERIAL HOST:** DH5α

**PRESENTATION:** 5µg (see vial for concentration) in TE (10mM Tris, 1mM EDTA, pH8.0)

**STORAGE:** -20°C

**REFERENCE:** Lim et al., The Ability of Primate Lentiviruses to Degrade the Monocyte Restriction Factor SAMHD1 Preceded the Birth of the Viral Accessory Protein Vpx, Cell Host & Microbe (2012), doi:10.1016/j.chom.2012.01.004.

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