

Centre for AIDS Reagents
Data Sheet

PRODUCT NAME: pCDNA3.1 Zeo V5 Vpx SIVmac, N12A

REPOSITORY REFERENCE: #100229

DESCRIPTION: Vpx sequence from SIV mac cloned into pCDNA3.1 vector between KpnI and XhoI. The vector contains a V5 tag that is in-frame with the N-terminus of each Vpx gene. Ampicillin resistant.

VECTOR: pcDNA3.1 Zeo

INSERT: SIV mac Vpx

Protein sequence

meggkpinpnlglldstgtmsdprerippgasgeetigeafewlnrtveeinreavnhlprelifqvwqrsweywhdeqgms
psvkyrylcliqkalfmhckkgcrclgeghgaggwrpgppppppppgla

V5 tag and GT (KpnI cloning site) are in red. N12A is in green.

DNA sequence

ATGGAAGGTGGTAAGCCTATCCCTAACCTCTCCTCGGTCTCGATTCTACGGGTACCATGTCAGATCCCA
GGGAGAGAATCCCACCTGGAAACAGTGGAGAAGAGACAATAGGAGAGGCCTTCAATGGCTAAACAGAAC
AGTAGAGGAGATAAACAGAGAGGGCGGTAAACCACCTACCAAGGGAGCTAATTTCCAGGTTTGCAAAGG
TCTTGGGAATACTGGCATGATGAACAAGGGATGTACCAAGCTATGTAAAATACAGATACTTGTGTTTAA
TACAAAAGGCTTTATTTATGCATTGCAAGAAAGGCTGTAGATGTCTAGGGGAAGGACATGGGGCAGGGGG
ATGGAGACCAGGACCTCCTCCTCCCCCTCCAGGACTAGCATGA

Vpx SIVmac WT sequence

BACTERIAL HOST: DH5 α /TOP10

PRESENTATION: 5 μ g (100ng/ μ L) in TE (10mM Tris, 1mM EDTA, pH8.0)

STORAGE: -20 $^{\circ}$ C

REFERENCE: DeLucia, M., Mehrens, M., Wu, Y., and **Ahn, J.** HIV-2 and SIVmac accessory virulence factor Vpx down-regulates SAMHD1 enzyme catalysis prior to proteasome-dependent degradation. J. Biol. Chem. 288, 19116-19126 (2013)

CONTRIBUTOR: Dr Jinwoo Ahn

ACKNOWLEDGEMENTS: Publications should acknowledge the contributor and the Centre for AIDS Reagents. Acknowledgments should read: "The *Name of Reagent (Repository Number)* was obtained from the Centre for AIDS Reagents, NIBSC, UK, supported by EURIPRED (EC FP7 INFRASTRUCTURES-2012 - INFRA-2012-1.1.5.: Grant Number 31266). www.euripred.eu/