Centre for AIDS Reagents
Data Sheet

PRODUCT NAME: pCDNA3.1 Zeo V5 Vpx SIVmac WT

REPOSITORY REFERENCE: #100228

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. Ampicilin resistant.

VECTOR: pcDNA3.1 Zeo

INSERT: SIV mac Vpx

Protein sequence

Meggkpipnpllgldstgtmsdpreripppgnsgeetigeafewlnrtveeinreavnhlprelifqvwqrsweywhdeqgms
psyvkyrylcliqkalfmhckkgcrclgeghgaggwrpgpppppppgla

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

DNA sequence
ATGGAAGGTGGTAAGCCTATCCCTAACCCTCTCCTCGGTCTCGATTCTACGGGTACCATGTCAGATCCCA
GGGAGAGAATCCCACCTGGAAACAGTGGAGAAGAGACAATAGGAGAGGCCTTCGAATGGCTAAACAGAAC
AGTAGAGGAGATAAACAGAGAGGCGGTAAACCACCTACCAAGGGAGCTAATTTTCCAGGTTTGGCAAAGG
TCTTGGGAATACTGGCATGATGAACAAGGGATGTCACCAAGCTATGTAAAATACAGATACTTGTGTTTAA
TACAAAAGGCTTTATTTATGCATTGCAAGAAAGGCTGTAGATGTCTAGGGGAAGGACATGGGGCAGGGGG
ATGGAGACCAGGACCTCCTCCTCCTCCCCCTCCAGGACTAGCATGA

Vpx SIVmac WT sequence

BACTERIAL HOST: DH5α/TOP10

PRESENTATION: 5µg (100ng/µL) in TE (10mM Tris, 1mM EDTA, pH8.0)

STORAGE: -20ºC

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)

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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/