

Centre for AIDS Reagents

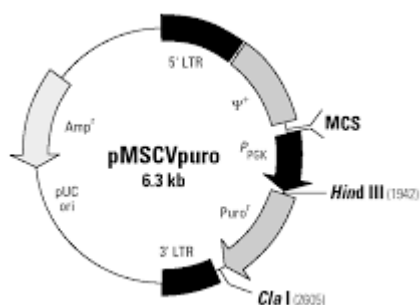
Data Sheet

PRODUCT NAME: MSCV (Puro)-HA-Flag-AU1-SAMHD1 LF620AA

REPOSITORY REFERENCE: #100 094

DESCRIPTION: pMSCV(puro) plasmid expressing codon optimized mutant human SAMHD1 protein LF620AA

VECTOR: MSCV(puro)



INSERT SEQUENCE: SAMHD1 LF620AA cDNA

ATGCAGCGAGCAGACAGCGAGCAGCCATCTAAGAGACCCAGGTGTGACGATAGCCCCAGAACCCCAAGCAATACTCCAT
CAGCAGAGGCAGACTGGTCCCCAGGACTGGAGCTGCACCCAGATTACAAGACATGGGGACCTGAACAGGTGTGCTCTTT
TCTGCGGAGAGGCGGGTTCGAGGAACAGTCTGCTGAAAAACATTAGGGAGAATGAAATCACTGGCGCTCTGCTGCC
TGCTGGACGAGTCACGCTTTGAAAACCTGGGAGTGAGCTCCCTGGGCGAGAGAAAGAACTGCTGAGCTATATTGAGA
GGCTGGTGCAGATCCATGTCGACACTATGAAAGTGATCAACGATCCCATTCACGGACATATCGAGCTGCACCCTGCTG
GTCAGGATCATTGATACCCACAGTTCAGCGACTGCGGTACATCAAACAGCTGGGAGGCGGGTACTACGTGTTCCCTGG
CGCCTCCCAACCGCTTCGAGCATTCTCTGGGAGTGGGCTATCTGGCAGGATGCCTGGTCCATGCCTGGGAGAGAAGC
AGCCCGAAGTGCAGATTAGCGAGCGGGACGTGCTGTGCGTCCAGATCGCTGGACTGTGCCACGACCTGGGGCATGGACC
TTTCTCCACATGTTTGATGGCCGTTTATCCCCCTGGCAAGACCTGAGGTGAAGTGGACCCATGAACAGGGCTCTGTCAT
GATGTTTGAGCACCTGATTAACAGTAATGGAATCAAGCCCGTGATGGAACAGTACGGCCTGATTCTGAGGAAGACATCT
GCTTCATCAAGGAGCAGATCGTGGGCCCACTGGAGTCAACCGTCAAGATAGCCTGTGGCCCTACAAGGGGAGACCTGA
GAACAAGAGTTTTCTGTATGAAATCGTGAGCAACAAGCGGAATGGGATCGACGTGGATAAATGGGACTACTTTGCCAGA
GATTGTCACCATCTGGGCATCCAGAACAACTTCGACTACAAGAGGTTTCAATTCGCCCGCTGTGCGAGGTCGATAA
CGAAGTGCATCTGTGCCCGGACAAGGAAGTGGGCAACCTGTACGATATGTTTACACCAGAAATAGCCTGCATAGGC
GCGCCTATCAGCACAAGTGGGGAATATCATTGACACCATGATCACAGATGCTTTCCTGAAAGCAGACGATTACATCGAG
ATTACAGGCGCTGGGGgAAAGAAATATAGGATTTCTACTGCTATCGACGATATGGAGGCATACACTAAGCTGACCGACAA
CATTTTTCTGGAAATCCTGTATAGTACAGACCCAAAGCTGAAAGATGCCCGGAGATTCTGAAGCAGATCGAATACCGAA
ATCTGTTCAAATATGTGGGGGAGACACAGCCCACTGGACAGATCAAGATCAAGCGGAGGACTACGAAAGCCTGCCTAA
GGAAGTGGCATCCGCCAAGCCAAAAGTGTGCTGGATGTCAAGCTGAAAGCCGAGGACTTTATTGTGGATGTCATCAAC
ATGGACTACGGGATGCAGGAAAAGAATCCAATTGATCACGTGAGTTTCTATTGTAATACTGCCCCAACAGAGCTATCAG
GATTACCAAGAATCAGGTGTCACAGCTGCTGCCCCGAGAAATTCGCGAACAGCTGATCCGAGTGTACTGCAAGAAAGTCG
ACCGAAAAGTCCCTGTACGCCGCTCGGCAGTATTTTGTGCAAGTGGTGTGACAGATAGAACTTCACCAAACCTCAGGACGGC
GATGTGATTGCCCTCTGATCACACCACAGAAGAAAGAGTGGAACGATTCTACCAGTGTGCAGAATCCAACACGGCTGAG
AGAAGCATCCAAGTCAAGAGTCCAGGCAGCCAAAGACGCCAATGTAA

BACTERIAL HOST: DH5 α

PRESENTATION: 5 μ g (500ng/ μ L) in TE (10mM Tris, 1mM EDTA, pH8.0)

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

REFERENCE: Ahn J, Hao C, Yan J, DeLucia M, Mehrens J, Wang C, Gronenborn AM, Skowronski J. 2012. HIV/simian immunodeficiency virus (SIV) accessory virulence factor Vpx loads the host cell restriction factor SAMHD1 onto the E3 ubiquitin ligase complex CRL4DCAF1. J Biol Chem. 287(15):12550-8. (PMID: 22362772)

CONTRIBUTOR: Dr Jacek Skowronski, Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH 44106-7219, USA jxs927@case.edu

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/