Investigator: James DeCaprio Date: 2/1/2004 ID #:

Vector Name:	pBabe-hygro-p53 (22/23)

Insert

Common Name: p53 Gene Name: TP53 Access. #: AF307851

Mutations: L22Q/W23S (p300/CBP binding mutant)

ACC# 5'-aa: 1 ACC# 3'-aa: 393 Organism: *homo sapiens* Size (bp): 1200

5'-Tag: no 3'-Tag: no Sequenced? Yes

Source: site-directed mutagenesis of J DeCaprio's pBabe-puro-p53 (wild-type) plasmid to the p53 L22Q/W23S mutant

Vector Backbone

Parental Vector: **pBabe-hygro** Type: retroviral Size (kb): 5600

5'-Cloning Site: EcoRI Preserved? Yes 3'-Cloning Site: EcoRI Preserved? Yes Promoter: UTR

Bacterial Selection: ampicillin Mammalian Selection: hygromycin Company: n/a

5'-Primer Name: pBabe F 5'-Primer Sequence: cctcaatcctccctttatccagccctcactcc

3'-Primer Name: pBabe R 3'-Primer Sequence: ggagcctggggactttccacaccctaactg

Cloning Notes: Following site-directed mutagenic conversion of pBabe-hygro-p53 (wild-type) to p53 L22Q/W23S, the p53 L22Q/W23S cDNA was released using EcoRI restriction digestion and ligated back into non-PCR amplified pBabe-hygro.

Reference: Borger & DeCaprio (J Virol. 2006 May;80(9):4292-303)

Map: