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DATA SHEET

Reagent:	Du156, clone 12 (SVPC3)
Catalog Number:	11306
Lot Number:	060466
Release Category:	B
Provided:	1 vial containing 7µg (26µl, 264µg/ml) purified plasmid DNA in TE buffer
Cloning Vector:	pcDNA 3.1D/V5-His TOPO®. The size of the cloning vector including the insert is **8,675 bp.**
Cloning Site:	The entire HIV-1 env/rev cassette was directly inserted into the cloning site of pCDNA 3.1D/V5-His TOPO® expression vector, in the correct orientation with the CMV promotor. The size of the insert is **3,165 bp.**
Gene Bank:	Accession number is DQ411852.
Host Strain:	E. coli JM109 cells
Description:	A PCR fragment containing full-length *env* and *rev* genes was derived from the genomic DNA of infected PBMC. Original virus was obtained by PBMC co-culture. The env/rev cassette was cloned into pCDNA 3.1D/V5-His TOPO® expression vector. A single transformed ampicillin resistant E. coli colony was selected and expanded. Recombinant plasmid carries resistance genes for ampicillin and neomycin.
Special Characteristics:	The clone represents env/rev sequences from a subject with acute subtype C infection (male to female transmission in South Africa). The clone expresses a functional env/rev cassette and can be used to generate pseudotyped infectious virions that use CCR5 as the viral coreceptor. The Env-pseudotyped virus is part of a standard panel of reference strains for use in neutralizing antibody assays.

Recommended Storage:	-80°C.
Contributor:	Drs. D. Montefiori, F. Gao, S. Abdool Karim and G. Ramjee.
References:	Li, M. et al. Genetic and Neutralization Properties of Subtype C Human Immunodeficiency Virus Type 1 Molecular env Clones from Acute and Early Heterosexually Acquired Infections in Southern Africa. *J. Virol.* **80**:11776-11790, 2006. Williamson C., Morris L., Maughan M.F., Ping L.H., Dryga S.A., Thomas R., Reap E.A., Cilliers T., van Harmelen J., Pascual A., Ramjee G., Gray G., Johnston R., Abdool-Karim S., Swanstrom R. Characterization and selection of HIV-1 subtype C isolates for use in vaccine development. *AIDS Res Hum Retro.*, **19**:133-144, 2003.
NOTE:	**This clone is also available as a member of a panel set, see catalog# 11326.** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH from Drs. D. Montefiori, F. Gao, S. Abdool Karim and G. Ramjee.: Du156, clone 12 (SVPC3)." Also include the references cited above in any publications.
Last Updated:	January 13, 2014