

Data Sheet

<b>NAME:</b>	QHO692, clone 42 (SVPB6)
<b>REPOSITORY REFERENCE:</b>	ARP2043
<b>PROVIDED:</b>	1 vial containing 20µg of plasmid DNA in TE buffer (0.5mg/ml)
<b>CLONING SITE:</b>	The HIV-1 env/rev cassette was directly cloned into the cloning site of pcDNA3.1D/V5-His TOPO© expression vector, in the correct orientation with the CMV promoter. The size of the insert is 3052bp.
<b>CLONING VECTOR:</b>	pcDNA3.1D/V5-His TOPO©. The size of the cloning vector including the insert is 8566bp.
<b>DESCRIPTION:</b>	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 pcDNA3.1D/V5-His TOPO© expression vector by a directional cloning approach. A single transformed ampicillin resistant <i>E. coli</i> colony was selected and expanded. Recombinant plasmid carries resistance genes for ampicillin and neomycin. Sequence information is available upon request.
<b>SPECIAL CHARACTERISTICS:</b>	The clone represents env/rev sequences from a subject with acute subtype B infection (female-male transmission in Trinidad/Tobago). The clone expresses a functional env/rev cassette and can be used to generate pseudotyped infectious virions that use CCR5 as the viral co-receptor. QHO692.42 Env containing pseudovirions are included in a standard virus neutralization panel for subtype B strains (SVPB6).

**STORAGE:**

-80°C

**SOURCE:**

Dr David Montefiori and Dr Feng Gao

**REFERENCES:**

Li, M., Gao F., Mascola J.R., Stamatatos L., Polonis V.R., Koutsoukos M., Voss G., Goepfert P., Gilbert P., Greene K.M., Bilska M., Kothe D.L., Salazar-Gonzalez J.F., Wei X., Decker J.M., Hahn B.H., and Montefiori D.C. Human immunodeficiency virus type 1 env clones from acute and early subtype B infections for standardized assessments of vaccine-elicited neutralizing antibodies. *J. Virology* **79**: in press 2005.

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Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or as a paper copy)