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DATA SHEET

Reagent: HIV-1 BaL.01 Env Expression Vector

Catalog Number: 11445

Lot Number: 070916

Release Category: C

Provided: 5µg purified plasmid DNA at 1µg/µL

Cloning Site: The HIV-1 env/rev cassette was cloned directly 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 2559 bp.

Cloning Vector: pcDNA3.1D/V5-His TOPO[®]

Description: A PCR fragment containing full-length env and rev genes was derived from the genomic DNA of infected PBMC. The original virus (HIV-1 BaL) was obtained from NIH AIDS Research & Reference Reagent Program (cat #510). The env/rev cassette was cloned into pcDNA3.1D/V5-His TOPO[®] expression vector by a directional cloning approach. A single transformed ampicillin resistant E. coli colony was selected and expanded. Recombinant plasmid carries resistance genes for ampicillin and neomycin.

Special Characteristics: The BaL.01 clone expresses a functional env/rev cassette and can be used to generate pseudotyped infectious virions. BaL.01 differs from BaL.26 (cat # 11446) by 16 amino acid positions in gp160. Accession #DQ318210

[Sequence](#)

Recommended Storage: -20°C or lower

Contributor: Dr. John Mascola

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

References:

Li Y, Svehla K, Mathy NL, Voss G, Mascola JR, Wyatt R. Characterization of antibody responses elicited by human immunodeficiency virus type 1 primary isolate trimeric and monomeric envelope glycoproteins in selected adjuvants. *J. Virology*, **80** (3); 1414-26 (2006).

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 BaL.01 Env Expression Vector (Cat#11445) from Dr. Mascola." Also include the reference cited above in any publications.

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact the NIH Office of Technology Transfer,
Email: NIAIDAIDSReagent@niaid.nih.gov, before the reagent can be released.
Please specify the name and a description of the intended use of the reagent.**

Last Updated:

July 03, 2018

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