

Vector pLNCX2 Containing HLA-A*0206 Allele

Catalog No. NR-2782

For research use only. Not for human use.

Contributor:

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Manufacturer:

NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH

Product Description:

The HLA-A*0206 allele from a human Major Histocompatibility Complex (MHC) Class I human leukocyte antigen (HLA)-homozygous human B-lymphoblastoid cell line (B-LCL) was amplified by PCR, gel purified and cloned into the Clontech Laboratories vector, pLNCX2 by the International Histocompatibility Working Group (IHWG). The plasmid was produced in *Escherichia coli* DH5 α ™-T1^R cells (Invitrogen™) and extracted using a QIAGEN® EndoFree® Plasmid Maxi Kit.

Allele:¹ HLA-A*0206

Vector: pLNCX2

Insert Size: 1.15 kb

Selection: Ampicillin (Prokaryotic)/G418 (Eukaryotic)

IHWG B-LCL: 9370

ImMunoGeneTics: [HLA00011](#)

GenBank: M24042

NR-2782 has been qualified for use in bacterial transformations.

Material Provided:

Each vial contains a target concentration of 20 to 50 ng of plasmid DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.0). The DNA content and concentration are shown on the Certificate of Analysis for each lot. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-2782 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Vector pLNCX2 Containing HLA-A*0206 Allele, NR-2782."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm.

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References:

1. Ezquerra, A., et al. "Molecular Analysis of an HLA-A2 Functional Variant CLA Defined by Cytolytic T Lymphocytes." J. Immunol. 137 (1986): 1642-1649. PubMed: 3489037.
2. Parham, P., et al. "Diversity and Diversification of HLA-A, B, C Alleles." J. Immunol. 142 (1989): 3937-3950. PubMed: 2715640.

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