

### Vector pLNCX2 Containing HLA-A\*0101 Allele

Catalog No. NR-2776

**For research use only. Not for human use.**

#### Contributor:

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#### Product Description:

The HLA-A\*0101 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 $\alpha$ <sup>TM</sup>-T1<sup>R</sup> cells (Invitrogen<sup>TM</sup>) and extracted using a QIAGEN<sup>®</sup> EndoFree<sup>®</sup> Plasmid Maxi Kit.

Allele:<sup>1</sup> HLA-A\*0101

Vector: pLNCX2

Insert Size: 1.15 kb

Selection: Ampicillin (Prokaryotic)/G418 (Eukaryotic)

IHWG B-LCL: 9391

ImMunoGeneTics: [HLA00001](#)

GenBank: AJ278305

NR-2776 has been qualified for use in bacterial transformations.

#### Material Provided:

Each vial contains 150 to 200 ng of plasmid DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.0). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

#### Packaging/Storage:

NR-2776 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\*0101 Allele, NR-2776."

#### 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](http://www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm).

#### Disclaimers:

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#### References:

1. Girdlestone, J. "Nucleotide Sequence of an HLA-A1 Gene." Nucleic Acids Res. 18 (1990): 6701. PubMed: 2251137.

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