Vector pLNCX2 Containing HLA-A*6802 Allele

Catalog No. NR-2794

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*6802 allele from a human Major Histocompatability 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 Histocompatability Working Group (IHWG). The plasmid was produced in *Escherichia coli* DH5α™-T1^R cells (Invitrogen™) and extracted using a QIAGEN® EndoFree® Plasmid Maxi Kit.

Allele:[1] HLA-A*6802
Vector: pLNCX2
Insert Size: 1.15 kb
Selection: Ampicillin (Prokaryotic)/G418 (Eukaryotic)
IHWG B-LCL: 9373
ImMunoGeneTics: HLA00117
GenBank: AJ844895

NR-2794 has been qualified for use in bacterial transformations.

Material Provided:
Each vial contains 20 to 50 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-2794 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*6802 Allele, NR-2794."

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/bmbl5/bmbl5toc.htm.

Disclaimers:
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References:
1. Holmes, N., et al. "Multiple Genetic Mechanisms Have Contributed to the Generation of the HLA-A2/A28 Family of Class I MHC Molecules." J. Immunol. 139 (1987): 936-941. PubMed: 3496393.

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