

Vector pLNCX2 Containing HLA-A*0202 Allele

Catalog No. NR-2778

Product Description: The HLA-A*0202 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* and extracted, as described below.¹

Lot¹: 58219707

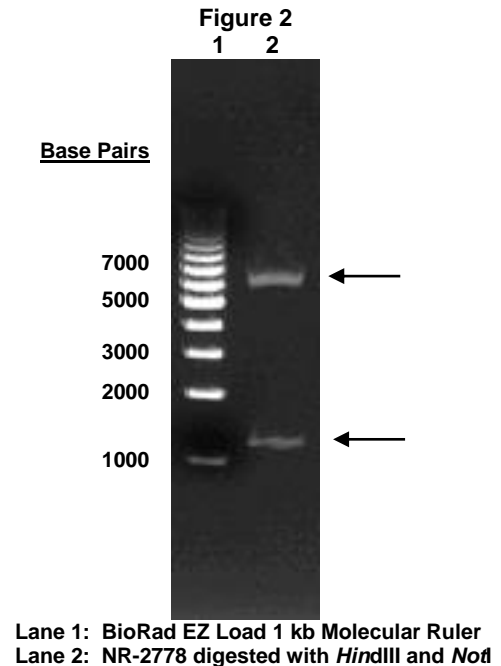
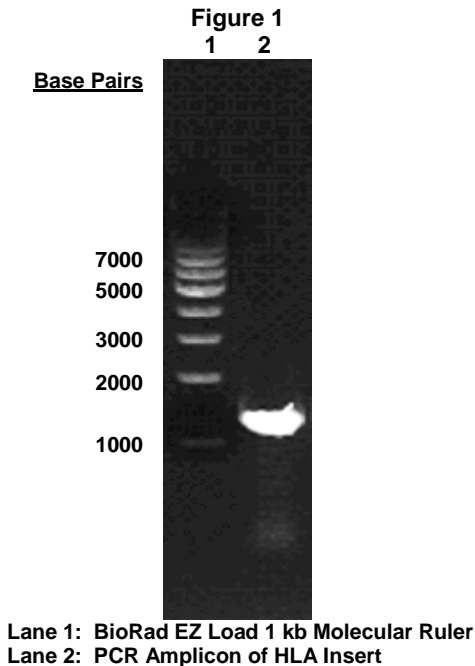
Manufacturing Date: 29OCT2008

TEST	SPECIFICATIONS	RESULTS
PCR Amplification and Sequencing of HLA Insert	~ 1100 bp amplicon Consistent with HLA-A*0202	~ 1100 bp amplicon (Figure 1) Consistent with HLA-A*0202
Agarose Gel Electrophoresis Digestion with <i>HindIII</i> ² and <i>NotI</i> ³	~ 6100 bp vector; ~ 1100 bp insert	~ 6100 bp vector; ~ 1100 bp insert (Figure 2)
PicoGreen[®] Measurement DNA content DNA concentration	Report results Report results	26.8 ng 26.8 ng in 40 µL per vial (0.67 µg/mL)
Effective Bacterial Transformation	≥ 100 colonies per ng	≥ 100 colonies per ng

¹Produced in One Shot[®] MAX Efficiency[®] DH5α[™]-T1^R cells (Invitrogen[™] 12297-016) and extracted using the EndoFree[®] Plasmid Maxi Kit (QIAGEN[®] 12362)

²*HindIII* (New England BioLabs, Inc. R0104S)

³*NotI* (New England BioLabs, Inc. R0189S)



Date: 19 FEB 2009

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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