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DATA SHEET

Reagent: Pigtail DC-SIGN Expression Vector (pcDNA-PtDC-SIGN)

Catalog Number: 5197

Lot Number: 120183

Release Category: B

Provided: 5 µg of dried purified DNA stabilized in DNASTable *Plus*

Cloning Site: EcoRI/XhoI cloning site
The size of the insert is approximately 1146 bp.

Cloning Vector: pcDNA3
Ampicillin and neomycin resistant

Description: An expression vector which produces pigtailed macaque DC-SIGN protein.

Special Characteristics: This construct is approximately 6592 bp including the insert.
An expression vector which produces pigtail DC-SIGN protein. DC-SIGN was cloned by RT-PCR from PBMCs.
DC-SIGN is a C-type lectin, which efficiently binds and transmits HIV-1, HIV-2 and SIV to receptor positive cells. Pigtailed macaque DC-SIGN supports HIV-1, HIV-2, and SIV binding and transmission and DC-SIGN expression.
GenBank Accession Number: [AF343727](#)
Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells.
This reagent is currently being provided as dried purified DNA stabilized in DNASTable *Plus*. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. [Dried DNA Notice](#)

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.

Recommended Storage: Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

Contributor: Dr. Jason T. Kimata

References: Baribaud, F., Pohlmann, S., Sparwasser, T., Kimata, M. T., Choi, Y. K., Haggarty, B. S., Ahmad, N., Macfarlan, T., Edwards, T. G., Leslie, G. J., Arnason, J., Reinhart, T. A., Kimata, J. T., Littman, D. R., Hoxie, J. A. and Doms, R. W. (2001). Functional and antigenic characterization of human, rhesus macaque, pigtailed macaque, and murine DC-SIGN. *J Virol*, 75(21), 10281-9. doi:10.1128/JVI.75.21.10281-10289.2001 [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Pigtail DC-SIGN Expression Vector (pcDNA-PtDC-SIGN) from Dr. Jason T. Kimata (cat# 5197)." Also include the reference cited above in any publications.

Last Updated: March 27, 2020

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