

Centre for AIDS Reagents.



Data Sheet

NAME:	pcDNA3-DC-SIGNR
REPOSITORY REFERENCE:	ARP2118
PROVIDED:	1ml transformed DH5 α (glycerol stocks)
CLONING SITE:	The complete DC-SIGNR sequence (GenBank Accession #AF245219) was inserted via <i>BamH</i> 1 (5') and <i>EcoR</i> 1 (3') into pcDNA3. The size of the insert is approximately 1.2kb.
CLONING VECTOR:	The cloning vector is pcDNA3 (Invitrogen), the size of the insert plus vector is approximately 6.6kb.
DESCRIPTION:	DC-SIGNR (DC-SIGNRelated) is a C-type lectin that binds ICAM-3 and HIV gp120 and transmits HIV-1, HIV-2 and SIV to receptor cells in the liver and lymph nodes
SPECIAL CHARACTERISTICS:	This clone can be used for DC-SIGN expression in mammalian cells. For example, transfection of 293T cells with this clone results in robust DC-SIGNR surface expression. PcDNA3 carries a neomycin resistance gene.
STORAGE:	-70°C

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SOURCE:

Drs. S. Pohlmann, F.Baribaud, F.Kirchhoff and R.W.Doms. (courtesy of NIH AIDS Research and Reference Reagent Programme.)

REFERENCE:

Pohlmann S. et al, *Proc Natl Acad Sci USA*, 2001 **985:**2670-2675

ACKNOWLEDGEMENTS:

Publications should acknowledge the donor of the reagent and the Programme EVA Centre for AIDS Reagents. Suggested wording can be found on our website at http://www.nibsc.ac.uk/spotlight/aidsreagent/index.html in the "Acknowledgements" section.

Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or as a paper copy)

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PLASMID MAP

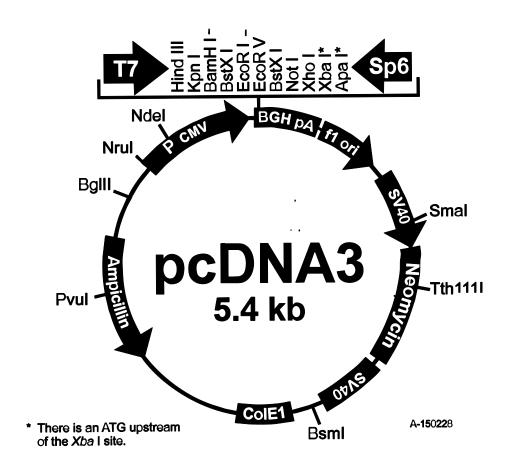
Comments for pcDNA3: 5446

nucleotides

CMV promoter: bases 209-863 T7 promoter: bases 864-882 Polylinker: bases 889-994 Sp6 promoter: bases 999-1016 BGH poly A: bases 1018-1249 SV40 promoter: bases 1790-2115

SV40 origin of replication: bases 1984-2069 Neomycin

ORF: bases 2151-2945 SV40 poly A: bases 3000-3372 ColE1 origin: bases 3632-4305 Ampicillin ORF: bases 4450-5310



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