

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>Bam</i> HI (5') and <i>Eco</i> RI (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-SIGN _{related}) 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

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 :

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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)

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

