

# PLASMID MAP for Ca<sub>v</sub>α<sub>2</sub>δ-1

SPECIES: Rat (P5)

TISSUE: Superior cervical ganglia

ISOLATION METHOD: cDNA library screen

ISOLATION BY: Yingxin Lin (2000)

INSERT SIZE: 3965 bp

SEQUENCE: GENBANK # AF286488

VECTOR: pcDNA3.1(+) (Hygro) - Invitrogen

ORIENTATION: T7

LINEARIZE FOR RNA: SspI

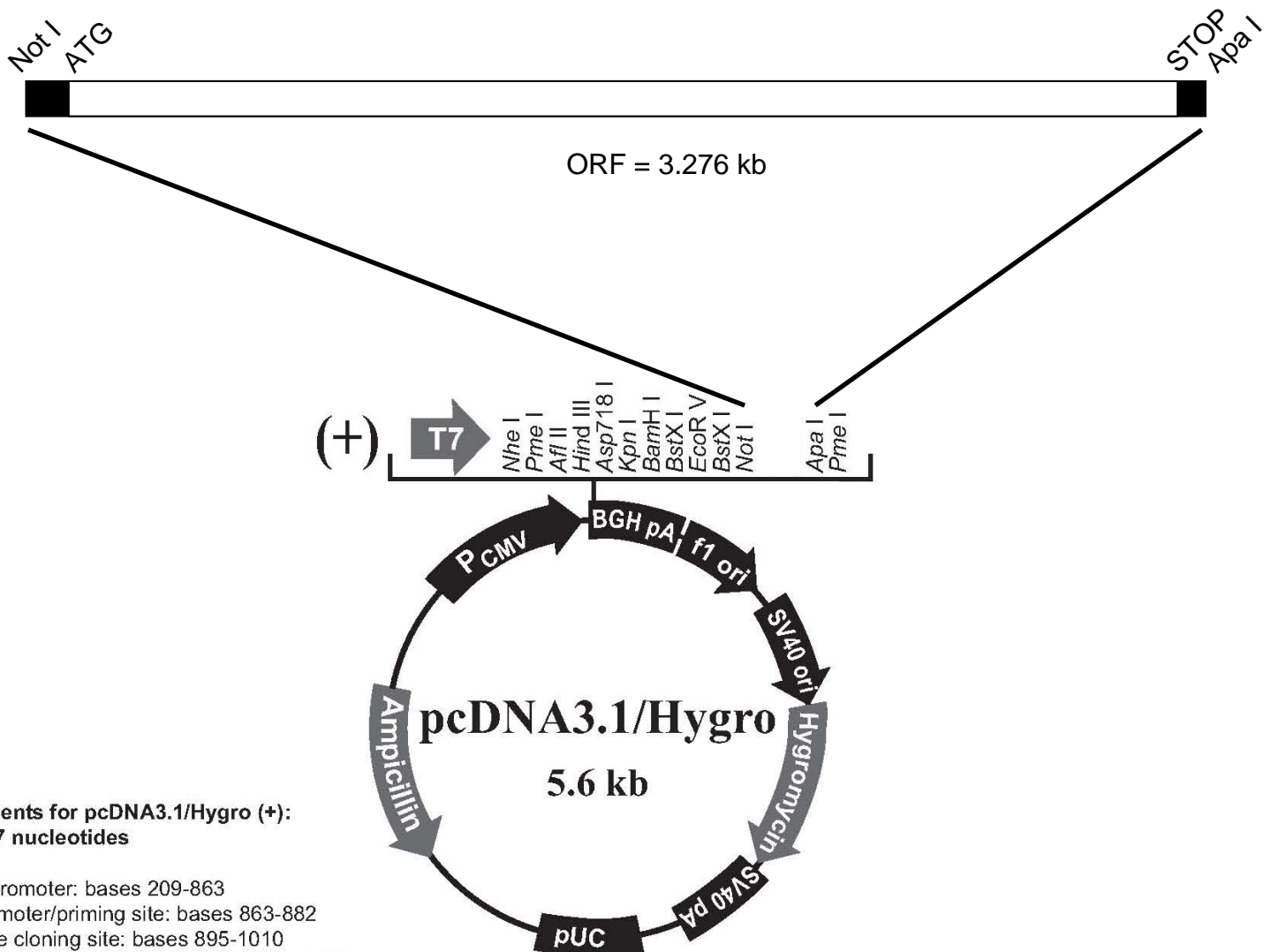
LINEARIZE FOR STABLE LINES: SspI

EXCISION: NotI/ApaI

SPECIAL/MISC: Transformation: TOP10F'

REFERENCE: Lin et al, *in submission*

[Click here for AF286488 sequence information.](#)



**Comments for pcDNA3.1/Hygro (+):**  
5597 nucleotides

CMV promoter: bases 209-863

T7 promoter/priming site: bases 863-882

Multiple cloning site: bases 895-1010

BGH reverse priming site: bases 1022-1039

BGH polyadenylation signal: bases 1021-1235

f1 origin: bases 1298-1711

SV40 promoter and origin: bases 1776-2100

Hygromycin resistance gene: bases 2118-3141

SV40 early polyadenylation signal: bases 3154-3526

pUC origin: bases 3786-4456 (complementary strand)

Ampicillin resistance gene: bases 4601-5461 (complementary strand)

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