

# PLASMID MAP for Ca<sub>v</sub>β<sub>3</sub>

SPECIES: Rat (P5)

TISSUE: Brain

ISOLATION METHOD: PCR amplification

ISOLATION BY: Diane Lipscombe (1997)

INSERT SIZE: ~1.5 kb

SEQUENCE: ORF identical to GENBANK  
# M88751 (Castellano et al., 1993).

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

ORIENTATION: T7

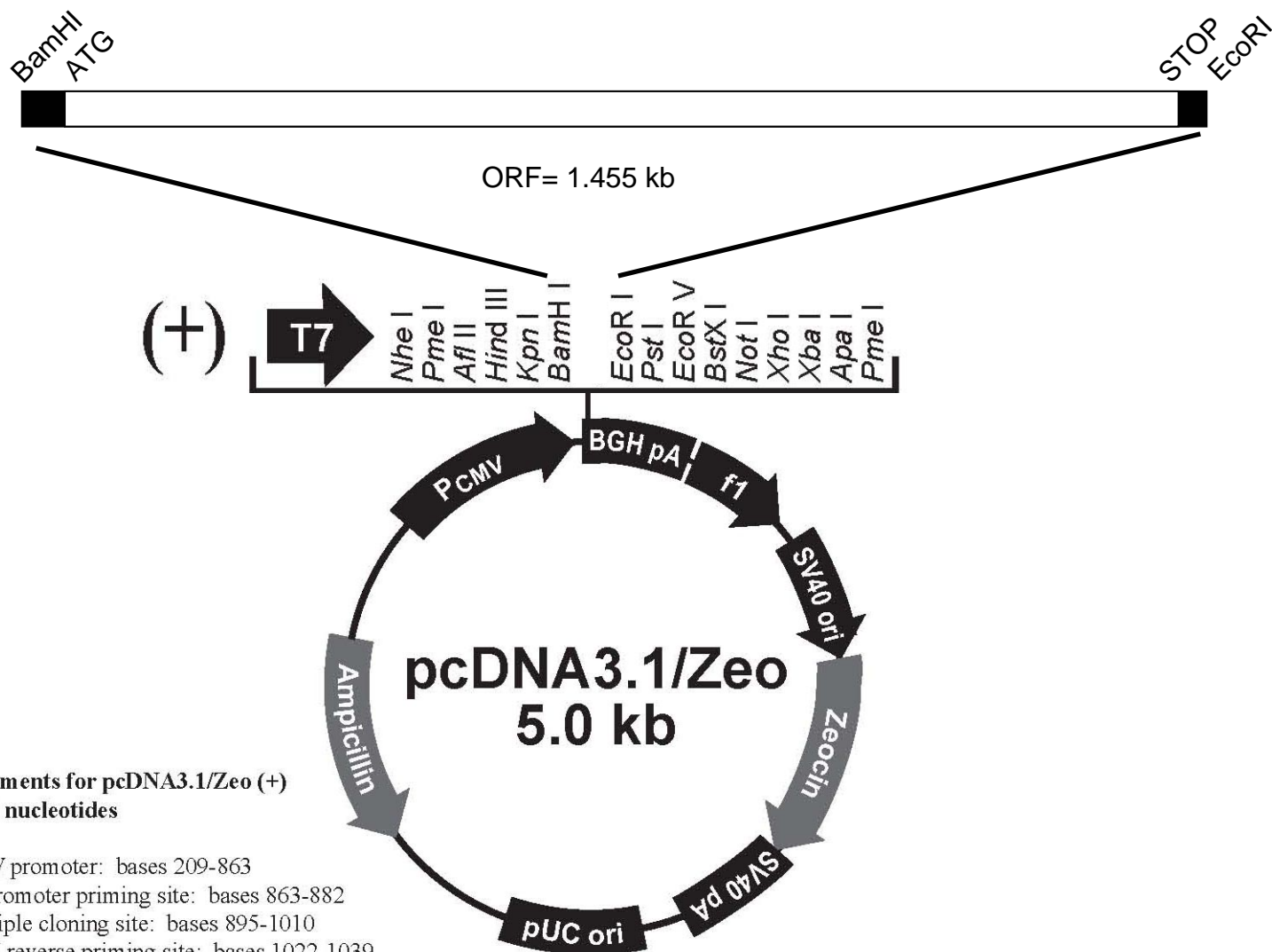
LINEARIZE FOR RNA: EcoRI

LINEARIZE FOR STABLE LINES: PvuI

EXCISION: BamHI/EcoRI

SPECIAL/MISC: Transformation: TOP10F'

👉 [Click here for M88751 sequence information.](#)



**Comments for pcDNA3.1/Zeo (+)**  
5015 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 1776-2101

EM7 promoter: bases 2117-2183

Zeocin™ resistance gene: bases 2184-2558

SV40 polyadenylation: bases 2688-2817

pUC origin: bases 3201-3874 (C)

*bla* promoter: bases 4880-4978 (C)

Ampicillin (*bla*) resistance gene: bases 4019-4879 (C)

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[Lipscombe lab home page](#)