

# PLASMID MAP for Ca<sub>v</sub>2.2e<sup>[a10, Δ18a, Δ24a, 31a, 37b, 46]</sup>

SPECIES: Rat (P5)

TISSUE: Superior cervical ganglia

ISOLATION METHOD: cDNA library screen

ISOLATED BY: Zhixin Lin (1996)

INSERT SIZE: ~ 7.39 kb

SEQUENCE: GENBANK # AF055477

[Click here for AF055477 sequence information.](#)

VECTOR: pcDNA6/V5-His A - Invitrogen

ORIENTATION: T7

LINEARIZE FOR RNA: EcoRV

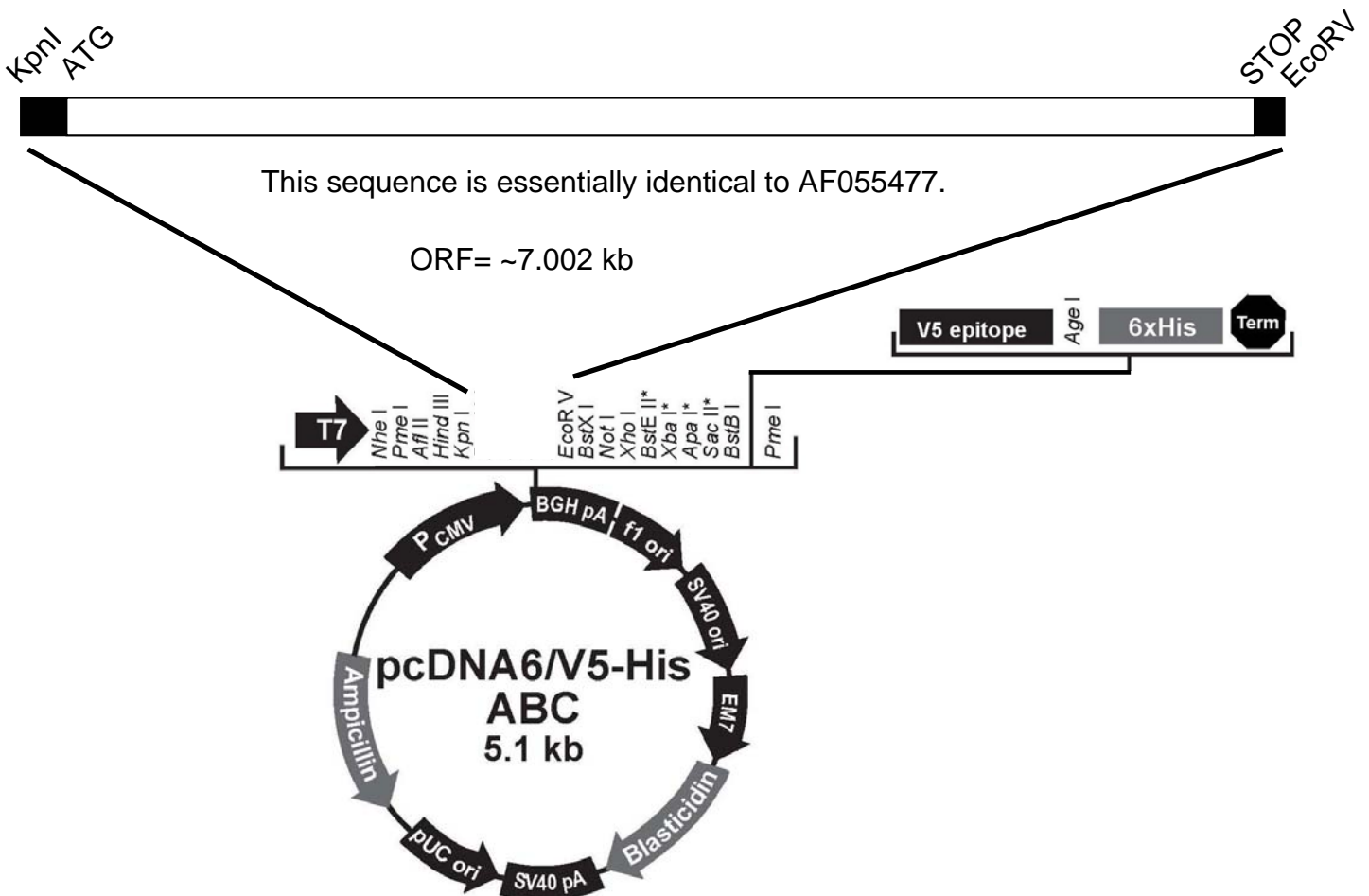
LINEARIZE FOR STABLE LINES: SspI

EXCISION: KpnI/EcoRV

SPECIAL/MISC: Transformation: TOP10F'

REFERENCE: Lin et al, (1997) Neuron 18:153-166.

[Click here for Neuron reference.](#)



**Comments for pcDNA6/V5-His A  
5144 nucleotides**

CMV promoter: bases 209-863  
 T7 promoter priming site: bases 863-882  
 Multiple cloning site: bases 895-1008  
 V5 epitope: bases 1009-1050  
 Polyhistidine tag: bases 1060-1077  
 BGH reverse priming site: bases 1100-1117  
 BGH polyadenylation sequence: bases 1103-1330  
 f1 origin: bases 1376-1804  
 SV40 promoter and origin: bases 1832-2139  
 EM7 promoter: bases 2187-2242  
 Blastidicin resistance gene (ORF): bases 2261-2659  
 SV40 early polyadenylation sequence: bases 2817-2947  
 pUC origin: bases 3330-4003  
 Ampicillin resistance gene (ORF): bases 4148-5008

\* Frame-dependent variations.  
 Sac II is only found in version B.  
 BstE II is only found in version C. In addition, there are no Xba I or Apa I sites in version C.

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