

PLASMID MAP for Ca_v2.2e[Δ^a10, Δ18a, Δ24a, 31a, 37a, 46]

SPECIES: Rat (P5)

TISSUE: Superior cervical ganglia

ISOLATION METHOD: cDNA library screen,
PCR isolation

ISOLATED BY: Zhixin Lin (1996), Andrew
Castiglioni added 37a (2001).

INSERT SIZE: ~ 7.39 kb

SEQUENCES: GENBANK # AF055477 and
AY211500

VECTOR: pcDNA6/V5-His A - Invitrogen

ORIENTATION: T7

LINEARIZE FOR RNA: EcoRV

LINEARIZE FOR STABLE LINES: SspI

EXCISION: KpnI/EcoRV

SPECIAL/MISC: Transformation: TOP10F'

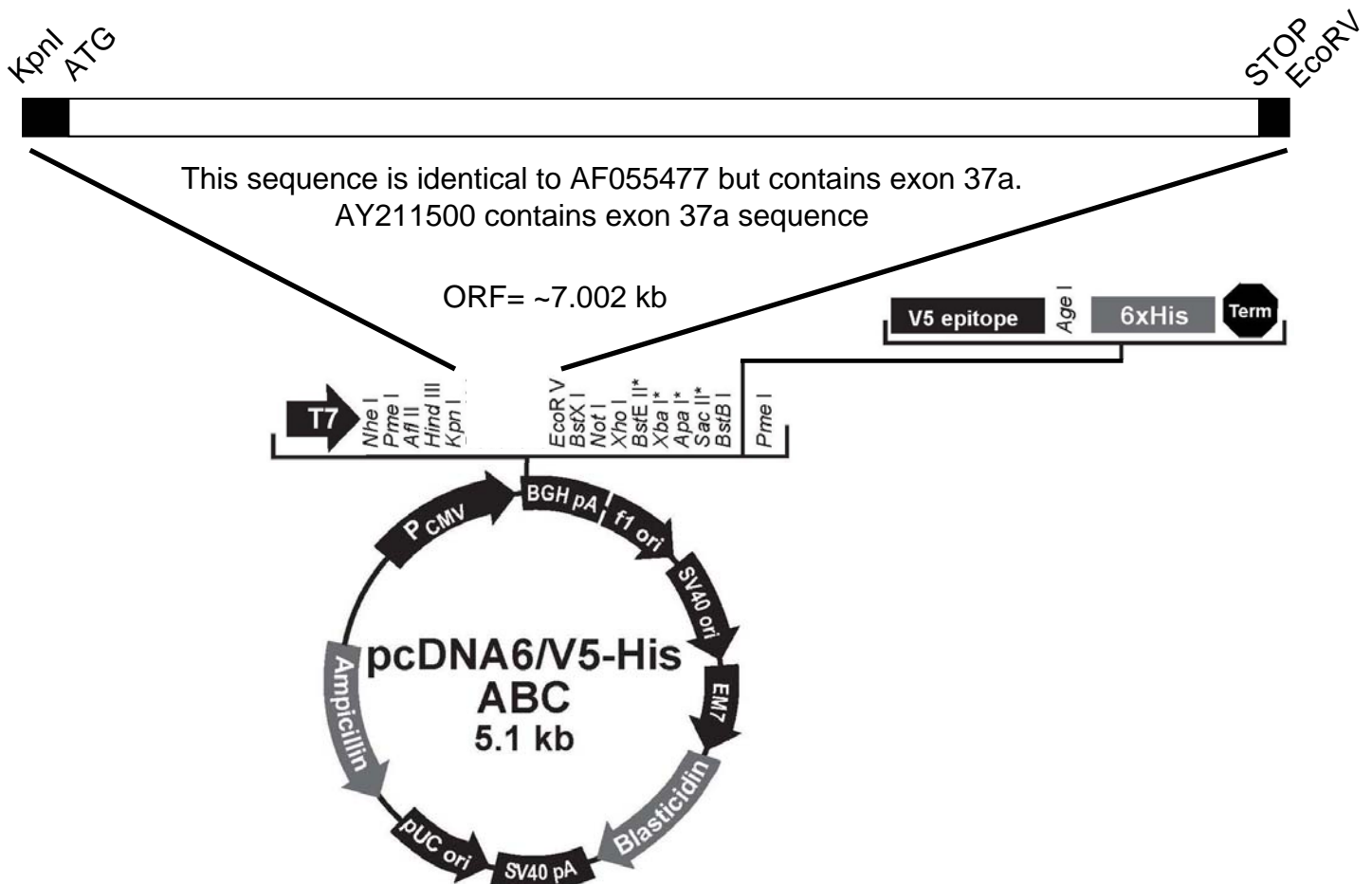
REFERENCES: Lin et al, (1997) Neuron 18:153-166
and Bell et al, (2004) Neuron 41:127-138.

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

[Click here for Lin et al Neuron reference.](#)

[Click here for AY211500 sequence information.](#)

[Click here for Bell et al 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
Blasticidin 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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