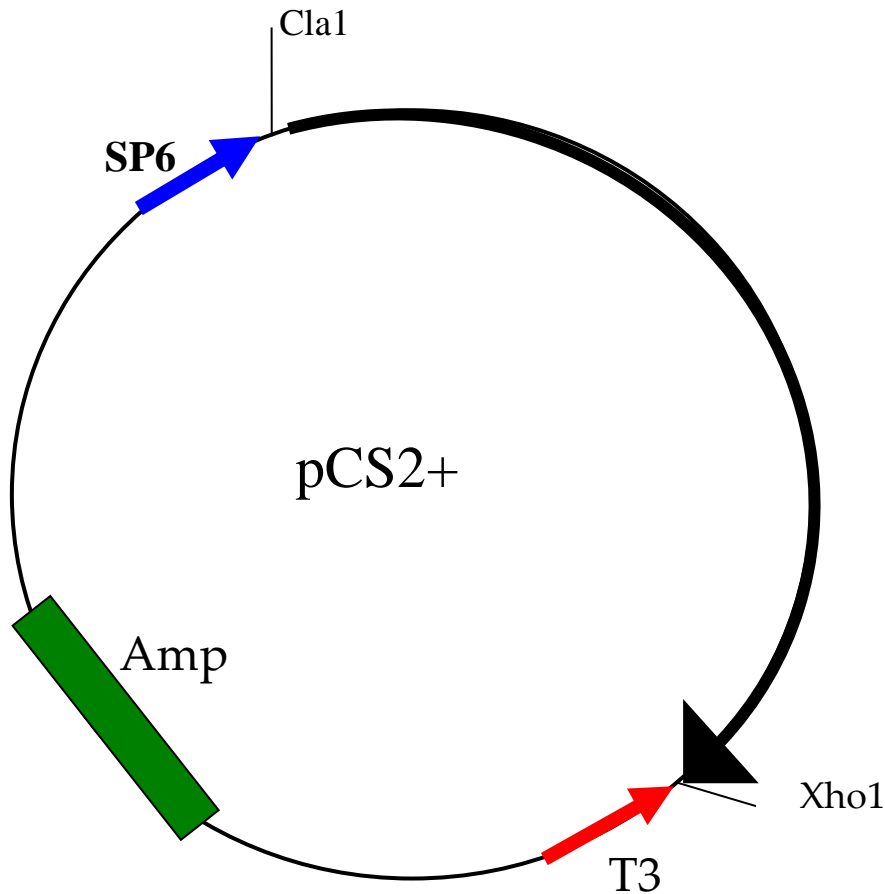


Gene – pCS2+Wbp2nlT45A
Vector- pCS2+
Purpose- mRNA expression



Vector size: 4.1 Kb
Insert size- about 948bp
Selection antibiotic: AMP
Cloning Sites: Cla1/Xho1
Tag-None

Constructed by: Alex Marchak
Date: 9/2014
GenBank Accession Number: BC082812.1

Reference:

| | | |
|------------|--------------------------|-----------------|
| ANTISENSE: | Restriction enzyme: Cla1 | Polymerase: T3 |
| SENSE: | Restriction enzyme: Not1 | Polymerase: SP6 |

COMMENTS: -66 5' UTR, full ORF and no 3' UTR. Morpholino sensitive. Contains an AC to GC mutation at base 133 and 134 of ORF that changes amino acid 45 from a threonine to an alanine. This threonine is a possible target for kinases. Most homologs have a Thr in this position. Only one has a Ser which is also a kinase target.